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THE PORT OF ALBANY AND PORTS ON HUDSON RIVER, NEW YORK

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Port Series No. 6

Revised 1979

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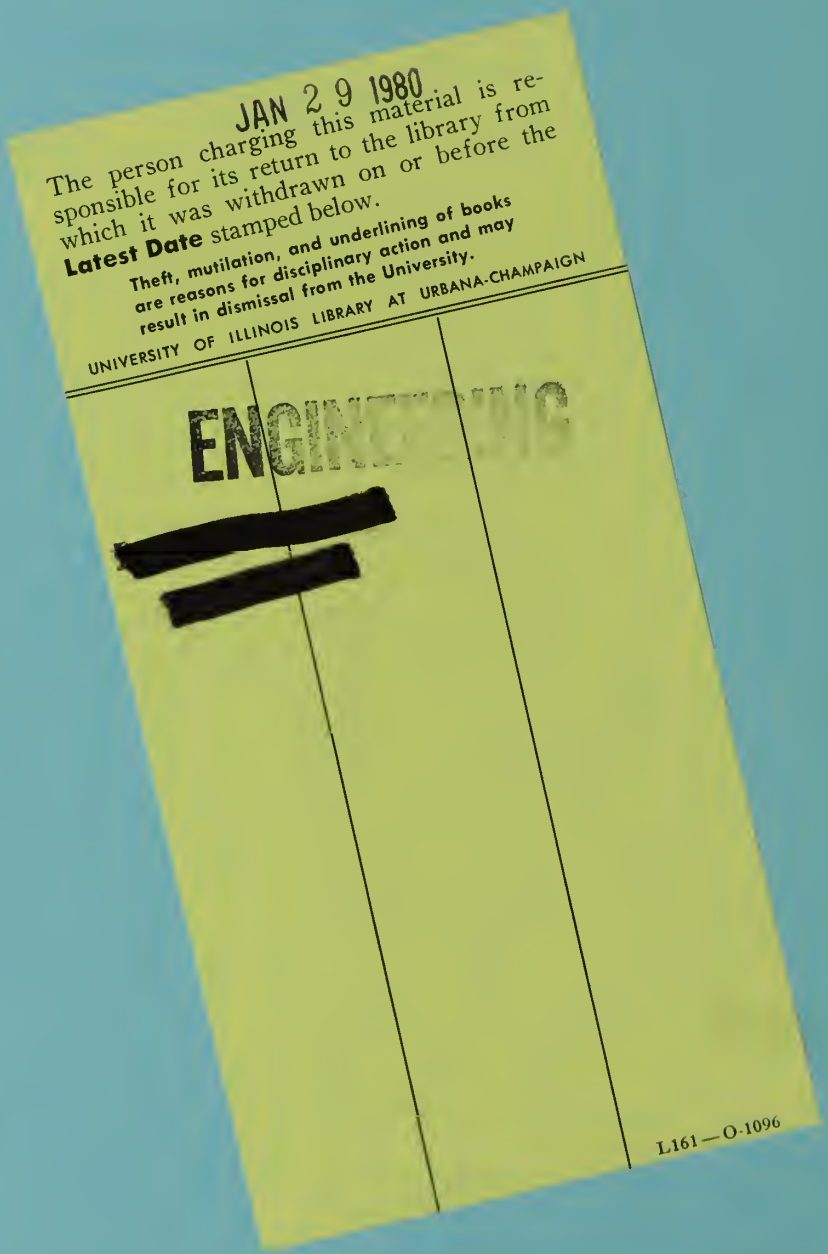

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PORT SERIES No. 6
REVISED 1979

THE PORT OF ALBANY AND PORTS ON HUDSON RIVER, NEW YORK

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CONTENTS

PORT AND HARBOR CONDITIONS:
Location and General Description..... 1
Harbor and Channel Improvements by the United States..... 2
Tidal Ranges and Currents..... 4
Anchorages..... 5
Bridges..... 6
Weather Conditions..... 9

PORT AND HARBOR FACILITIES:
Piers, Wharves, and Docks..... 15
Oil Handling and Bunkering..... 56
Grain Elevators..... 56
Open Storage..... 57
Hoisting Equipment - Ashore and Afloat..... 58
Marine Repair Plants..... 58
Floating Equipment..... 58
Rail Lines..... 59

ILLUSTRATIONS:
Selected Views of Waterfront Facilities..... 11

LIST OF TABLES:
Channel Depths..... 7
Bridges over Hudson River Between Mouth and Waterford..... 8
Meteorological Data..... 10
Summary of General Cargo..... 16
Purpose for which Used..... 17
Piers, Wharves, and Docks..... 19
Oil Handling and Bunkering..... 60
Storage Warehouses..... 62
Marine Repair Plants..... 63
Marine Railways..... 64

INDEX OF PIERS, WHARVES, AND DOCKS..... 65

LIST OF CURRENT REPORTS

PORT SERIES NO.		G.P.O. SALES PRICE
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I N T R O D U C T I O N

This report on the Port of Albany, New York and ports on the Hudson River is published as No. 6 of the Port Series. It supersedes a similar report revised in 1964.

The reports in the Port Series cover the principal United States coastal and Great Lakes ports, and are compiled and published by the Port Facilities Division, Board of Engineers for Rivers and Harbors, Corps of Engineers, U. S. Army, Kingman Building, Fort Belvoir, Virginia 22060, under authority of Section 7 of the River and Harbor Act of July 19, 1918, Section 500 of the Transportation Act of February 28, 1920, and Section 8 of the Merchant Marine Act of 1920.

Acknowledgment is made of the valuable assistance given by the District Engineer, U. S. Army Engineer District, New York; facility operators; port organizations; and shipping and transportation companies in the work of compiling data for this report.

Unless otherwise stated, the information contained in this report was current upon completion of the field survey in August 1978. Additional revised data have been included through September 1979.

METRIC CONVERSION TABLE

Section 3 of Public Law 94-163, the Metric Conversion Act of 1975, declares that the policy of the United States shall be to coordinate and plan the increasing use of the metric system in the United States.

As an initial step, in accordance with the Metric Conversion Act of 1975, this Metric Conversion Table is included in this Port Series Report.

MULTIPLY	BY	TO OBTAIN
Inches	2.54001	Centimeters
Feet	0.304801	Meters
Miles, statute	1.60935	Kilometers
Square feet	0.0929034	Square meters
Acres	0.404687	Hectares
Pounds per square foot	4.88241	Kilograms per square meter
Tons, short	0.907185	Metric tons
Tons, long	1.01605	Metric tons
Gallons	3.78543	Liters
Degrees, Fahrenheit	5/9 (F-32)	Degrees, Celsius
Barrels, oil	1.58988	Hectoliters
Bushels	0.0352391	Cubic meters

THE PORT OF ALBANY

AND PORTS ON THE HUDSON RIVER, NY

P O R T A N D H A R B O R C O N D I T I O N S

LOCATION AND GENERAL DESCRIPTION

The Hudson River rises in the Adirondack Mountains and flows 315 miles in a southerly direction into New York Bay. At Waterford, about 2.5 miles above the Federal lock and dam at Troy, the river connects with the New York State Barge Canal system, which provides channels to the Great Lakes' port of Oswego, NY, and to improved waters in Canada leading to the St. Lawrence River. The Port of Albany, NY is on the right bank of the Hudson River about 143 statute miles north of the Battery, New York City.

This report covers waterfront facilities on the Hudson River and its tributaries from the Tappan Zee Bridge, 27 miles north of the Battery, to entrance to the Erie and Champlain Canals above the city of Albany. Tributaries included are Rondout Creek at Kingston, NY; Saugerties Creek at Saugerties, NY; and Catskill Creek at Catskill, NY. Descriptions of waterfront facilities located below the Tappan Zee Bridge can be found in Port Series No. 5, The Port of New York, NY and New Jersey, revised in 1978.

The Port of Albany is the terminus of the deep-draft Hudson River project and is the river's principal port above New York City. From the Atlantic Ocean to the mouth of the river, vessels pass through Ambrose and Anchorage Channels located in Lower and Upper New York Bays, respectively.

The Albany Port District, as established by the laws of the State of New York, includes the City of Albany and its lands within the Township of Bethlehem, the City of Rensselaer, and all lands and waters in the Hudson River contiguous thereto.

The principal waterborne commodities handled at the Port of Albany in 1978 consisted of petroleum products, grain,

bananas, molasses, automobiles, scrap metal, and lumber. The principal waterborne commodities handled at facilities on the Hudson River outside of the Port of Albany in 1978 consisted of petroleum products, cement, gypsum, crushed rock, sand, and gravel.

HARBOR AND CHANNEL IMPROVEMENTS BY THE UNITED STATES

The existing project was authorized by the River and Harbor Acts of June 25, 1910, March 3, 1925, and July 3, 1930, and modified by a number of Acts, of which the latest is dated September 3, 1954, and provides for:

> A channel 600 feet wide from New York City to Kingston and thence 400 feet wide to Albany, with widening at bends; a turning basin 700 feet wide and 1,200 feet long at Albany; and 2 anchorages, one near Hudson and one near Stuyvesant, each with a width of 400 feet and an average length of 2,400 feet, and with depths of 32 feet in soft material and 34 feet in rock to a point 4,500 feet south of the Parker Dunn Memorial Bridge; thence 27 feet deep and 400 feet wide to a point 3,200 feet south of the Parker Dunn Memorial Bridge; thence 14 feet deep and generally 400 feet wide, to the Troy Lock and Dam; and thence 14 feet deep, 200 feet wide, to the southern limit of the State Barge Canal at Waterford; with widening in front of the cities of Troy and Albany to form harbors 12 feet deep; and removal of the State Dam at Troy and construction of a lock and dam about 2.5 miles below Waterford.

Details concerning various features of Troy Lock and Dam included in the existing project are shown in the tabulation on the next page.

Lock:		
Clear width	feet	44.4
Greatest length available for full width	do	492.5
Lift at lowest stages	do	17.3
Depth on miter sills:		
Upper (at normal pool level)	do	16.3
Lower (at lowest low water)	do	13.0
Character of foundation: Rock.		
Kind of dam: Fixed.		
Type of construction: Concrete.		

The plane of reference is mean low water from New York City to the head of the 32-foot project (below Parker Dunn Bridge); and lowest low water for the remainder of the project.

Tarrytown Harbor: A channel 12 feet deep, 250 feet wide along the wharf front; and northerly and southerly connecting channels 12 feet deep, 150 feet wide, from the wharf front to deep water in the Hudson River, total length about 1.0 mile.

Peekskill Harbor: A channel, 10 feet deep, 100 feet wide, from deep water in the Hudson River north of the village to deep water south of it, generally following the contour of the shore, total length about 1.8 miles. Two turning basins, 10 feet deep, 200 feet long by 150 feet wide, in front of the lower and center wharves.

Wappinger Creek: A channel, 8 feet deep, 80 feet wide, from Hudson River to 200 feet below the lower falls, total length about 2.1 miles.

Rondout Harbor: A channel, 14 feet deep, 100 feet wide, from deep water in the Hudson River to the highway bridge, 1.3 miles above the mouth, thence 12 feet deep, 100 feet wide, to 3.5 miles above the mouth, with widening at bends, total length about 3.5 miles. Two parallel dikes 350 feet apart, and a branch dike at the channel entrance.

Saugerties Harbor: A channel, 12 feet deep, 200 feet wide, from deep water in the Hudson River to the steamboat wharf in the village of Saugerties, total length about 0.8 mile.

CHANNEL DEPTHS

Project depths, controlling depths, and dates of survey for the various portions of the Federal channel serving the Port of Albany and ports on the Hudson River are given in the table on page 7.

TIDAL RANGES AND CURRENTS

The tides in Hudson River are affected by freshets, winds, and droughts.

The mean range of tide is 4.5 feet at the Battery, 3.7 feet at Yonkers, 2.8 feet at Newburgh, 3.1 feet at Poughkeepsie, 3.7 feet at Kingston, 4.6 feet at Albany, and 4.7 feet at Troy.

The currents in Hudson River are influenced by the same variables that affect the tides. The times of slack water and the velocities and durations of flood and ebb are subject to extensive changes; the times of strengths are less likely to be affected. The currents usually set fair with the channels except in the vicinities of bends and wharves.

Velocities of currents are 1.5 knots flood and 2.3 knots ebb northwest of the Battery, 1.6 and 2.2 knots at George Washington Bridge, 0.9 and 1.1 knots at Newburgh, 1.1 and 1.2 knots at Poughkeepsie, 1.3 and 1.6 knots at Kingston, and 0.3 knot flood and 0.8 knot ebb at Albany. Near Troy Lock and Dam, the current does not flood and the ebb has a velocity of 0.7 knot.

During March, April, and May, freshets have reached heights above normal high water of as much as 18 feet at Albany and 25 feet at Troy Lock and Dam. At the time of the

larger freshets the tide may be completely masked, the water continuing to rise and fall for a period of several days without any tidal oscillation. At the time of smaller freshets the range of tide is greatly diminished and the times of high and low waters are somewhat delayed.

During the smaller freshets, the flood current disappears and the ebb current has a velocity of about 1.5 knots. The larger freshets produce an ebb current that varies from 1.5 to nearly 5 knots depending on the size of the freshet and the stage of the tide.

ANCHORAGES

Hudson River, at Nyack. That portion of the waters north of a line ranging 270° from latitude 41° 05'35.1", longitude 73° 54'27", to the shoreline; west of a line connecting latitude 41°05'35.1", longitude 73°54'27", and latitude 41°06'06.3", longitude 73°54'27"; and south of a line ranging 270° from latitude 41°06'06.3", longitude 73°54'27" to the shoreline.

NOTE: The area is principally for use by yachts and other recreational craft. A mooring buoy is permitted.

Hudson River, at West Point. That portion of the waters of the westerly side of the Hudson River, adjacent to the United States Military Academy, shoreward of a line connecting the extreme northwest corner of the south dock with a projection of land located approximately 1,575 feet north thereof.

Hudson River, at Hyde Park. Beginning at a point on the shoreline at latitude 41°49'06.5" N., longitude 73°56'35.3" W.; thence west to a point at latitude 41°49'06.5" N., longitude 73°56'42.5" W.; thence north-northeasterly to a point at latitude 41°49'12.5" N., longitude 73°56'40.7" W.; thence due east to a point on the shoreline at latitude 41°49'12.5" N., longitude 73°56'37.7" W.; thence along the shoreline to the point of beginning.

Hudson River, at Coeymans. That portion of the waters of the westerly side of the Hudson River, west of Coeymans Middle Dike, north of a line bearing due west from a point 700 feet south of the Upper Hudson River Light No. 43, and south of a line bearing due west from the Upper Hudson River Light No. 45, except for an area 125 feet wide, adjacent to and east of the bulkhead fronting the Village of Coeymans and Barren Island Dike.

The restricted width of the Hudson River at Albany is not sufficient to permit vessels to swing at anchor without interfering with passing craft. However, in an emergency, vessels sometimes anchor in midstream to await berthing space. Vessels proceeding from New York to Albany frequently anchor in the vicinity of Kingston, 46 miles below Albany, to await daylight hours for passing the narrower channel above Hudson. An anchorage basin for vessels is located at mile 127, just above Stuyvesant. This anchorage has a depth of 32 feet, a width of 400 feet, and an average length of 2,400 feet.

BRIDGES

Seventeen bridges cross the Hudson River from its mouth at the Battery in New York City to Waterford. Details of these bridges are given in the table on page 8. From the ocean to the Hudson River, vessels pass under the Verrazano-Narrows Bridge; this suspension bridge crosses The Narrows between Staten Island and Brooklyn and has an overhead, vertical clearance at the center of the span of 228 feet above mean high water.

CHANNEL DEPTHS

CHANNEL	PROJECT DEPTH (feet)	CONTROL-LING DEPTH (feet)	DATE OF SURVEY
Upper Bay to West 40th Street	45	39-43	1976
West 40th Street to West 59th Street	48	38-48	1976
Upper New York City Limits to Tarrytown	32	32	1968
Tarrytown Harbor Channel	12	12	8/73-3/74
Haverstraw Bay	32	31	1/66
Peekskill Harbor Channel			
South Channel	10	6.5	5/57
Lower wharf to upper wharf	10	5	5/57
North Channel	10	8	5/57
Wappinger Creek	8	3	1971
Rondout Creek			
To Highway Bridge	14	14	1966-67
Highway Bridge to Eddyville	12	12	1966-67
Kingston Point Reach	32	31.7	12/65-6/70
Barrytown Reach	32	31.5	12/65-3/66
Tivoli Reach	32	30.2	3/66
Esopus Creek	12	10	1966-67
Malden on Hudson Reach	32	32	12/65-6/70
North Germantown Reach	32	31	12/65-3/66
North Germantown Reach to 730 yards north of Upper Hudson River Light 32	32	32	8/63-3/66
730 yards north of Upper Hudson River Light 32 to Albany Turning Basin	32	31.5	12/64-12/68
Turning Basin at Albany	32	30	5/66-10/68
Turning Basin at Albany to 4,500 feet south of Dunn Memorial Bridge	32	32	5/66-4/68
4,500 feet south of Dunn Memorial Bridge to Dunn Memorial Bridge	27	10.5	5/66-4/68
Dunn Memorial Bridge to Patroon Island Bridge	14	10	5/68
Patroon Island Bridge to north end of Adams Island	14	8	7/68
Adams Island to Troy Lock	14	8	7/68
Channel east of Adams Island	14	10.2	7/68
Troy Lock to Waterford	14	10	8/68

BRIDGES OVER HUDSON RIVER BETWEEN MOUTH AND WATERFORD

Miles above mouth	Location or name	Kind	Clear width of openings normal to channel (1)			Clear height above M.H.W. (feet)	Type
			Right (feet)	Center (feet)	Left (feet)		
11.0	George Washington.....	Highway	-	3,169.0	-	213.0	Suspension
27.0	Tappan Zee, Nyack-Tarrytown (New York Thruway).....	do.	501.2	1,098.0	501.2	139.0	Fixed
46.7	Bear Mountain, Peekskill.....	do.	-	1,584.0	-	155.0	Suspension
62.0	Newburgh-Beacon (2).....	do.	-	760.0	-	150.0	Fixed
75.6	Mid-Hudson, Poughkeepsie.....	do.	450.0	1,458.0	520.0	137.0	Suspension
76.1	Mid-Hudson, Poughkeepsie Consolidated Rail Corp.....	Railway	-	490.0	-	167.0	Fixed
94.3	Kingston-Rhinecliff	Highway	776.0	-	776.0	132.0	do.
113.6	Rip Van Winkle, Catskill.....	do.	-	760.0	-	146.0	do.
135.6	Castleton - Consolidated Rail Corp.....	Railway	566.0	371.0	75.0	139.0	do.
135.7	Castleton-New York Thruway.....	Highway	-	552.0	-	135.0	do.
145.4	Albany-Rensselaer.....	do.	-	300.0	-	60.0	Fixed
146.2	Albany-Rensselaer, Consolidated Rail Corp.....	Railway	98.0	-	-	25.0	Swing
147.2	Patroon Isle, Albany-Rensselaer..	Highway	-	300.0	-	60.0	Fixed
150.2	Troy-Menands.....	Highway	-	300.0	-	61.0	do.
152.2	Congress Street, Troy.....	do.	-	250.0	-	55.0	do.
155.4	Troy-Cohoes.....	do.	-	175.0	-	*23.0	Bascule
156.6	Broad Street, Troy-Waterford.....	do.	-	176.0	-	*22.0	do.
RONDOUT CREEK							
1.3	Kingston, US Highway No. 9 (3)...	do.	150.0	100.0	-	55.0	Fixed
156.6	Kingston, US Highway No. 9 (2) (4).....	do.	-	Open	-	86.0	Suspension
2.2	Kingston, Consolidated Rail Corp.....	Railway	-	168.0	-	144.0	Fixed

(1) Right and left sides looking downstream.
(2) At time of survey, a new bridge was under construction below existing bridge.
(3) Bridge under construction at time of survey.
(4) To be removed upon completion of replacement.

* Clear height above pool level/ Troy Lock

WEATHER CONDITIONS

The climate at Albany and the lower Hudson River Valley is primarily continental in character, but is subjected to some modification from the maritime climate which prevails in the extreme southeastern portion of New York State. The moderating effect on temperatures is more pronounced during the warmer months than in cold winter season when outbursts of cold air sweep down from Canada with greater vigor than at other times of the year. During the warmer portion of the year temperatures drop rapidly after sunset so that the nights are relatively cool.

Winters are usually cold and occasionally fairly severe. Maximum temperatures during the colder winter months often are below freezing and nighttime low temperatures frequently drop to 10^{o} or lower. Sub-zero temperatures occur rather infrequently, about a dozen times a year. Snowfall in the area is quite variable and over some of the higher nearby areas ranges up to 75 inches or more for a season. Snow flurries are quite frequent during the cold months.

In extremely severe winters the Hudson River may be temporarily closed to navigation because of ice. Depending upon the extent of ice conditions and the availability of ice-breakers, the U.S. Coast Guard endeavors to maintain an open channel to Albany to meet any reasonable demands of commerce.

Precipitation is generally sufficient to serve the economic needs of the region and seldom do drought conditions occur. A considerable portion of the rainfall during the warmer months is the result of showers associated with thunderstorms.

On the whole, wind velocities are moderate. The north-south orientation of the Hudson River valley has a marked effect on the lighter winds so that during the warm months, a south wind results. Destructive winds occur infrequently.

The Hudson River valley enjoys one of the highest percentages of sunshine that can be found in the state with slightly more sunshine occurring progressively southward. The area seldom experiences extended periods of cloudy days

or smog. Occasionally, during the warm months, there are short periods when high humidity associated with temperatures above 85° result in rather uncomfortable conditions.

The information below was compiled from the records of the National Weather Service Station at Albany County Airport, Albany, NY, and was furnished by the Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

METEOROLOGICAL DATA FOR PERIOD OF RECORD

Month	Normal daily Temperature F.°		Precipitation normal total (inches)	Prevailing direction of winds	Mean number of heavy fog days
	Maximum	Minimum			
No. of Years	31	31	31	15	39
January	30.4	12.5	2.20	WNW	1
February	32.7	14.3	2.11	WNW	1
March	42.6	24.2	2.58	WNW	1
April	58.0	35.7	2.70	WNW	1
May	69.7	45.7	3.26	S	2
June	79.4	55.6	3.00	S	1
July	83.9	60.1	3.12	S	1
August	81.4	57.8	2.87	S	3
September	73.7	50.1	3.12	S	4
October	62.8	40.0	2.63	S	4
November	48.1	31.1	2.84	S	2
December	34.1	17.7	2.93	S	2
Year	58.1	37.1	33.36	S	23

Amerada Hess Corp., Roseton Dock
(P.W.D. Ref. No. 23)

Central Hudson Gas and Electric Corp.,
Roseton Generating Station Dock
(P.W.D. Ref. No. 24)

Austin R. Newcombe & Co., Inc.
Oil Dock (P.W.D. Ref. No. 36)

Alpha Portland Cement Industries,
Cement Dock (P.W.D. Ref. No. 42)

Peckham Materials Corp., Petroleum
Products Dock (P.W.D. Ref. No. 47)

Atlantic Cement Co., Inc.
Cement and Gypsum Dock
(P.W.D. Ref. No. 51)

Sears Oil Co., Petroleum Products Dock (P.W.D. Ref. No. 52)

Exxon Co., U.S.A., Petroleum Products Dock (P.W.D. Ref. No. 54)

Texaco, Inc., Petroleum Products Wharf (P.W.D. Ref. No. 57)

Niagara Mohawk Power Corp., Albany Steamplant Dock (P.W.D. Ref. No. 58)

Port of Albany, Berth 8 (P.W.D. Ref. No. 63)

Port of Albany, Berths 7, 8, & 9, and grain elevators (P.W.D. Ref. No. 63)

Port of Albany, Berth 3, banana unloading (P.W.D. Ref. No. 66)

Mobil Oil Corp., Tanker and Barge Dock (P.W.D. Ref. No. 70)

Mobil Oil Corp., Barge Dock (P.W.D. Ref. No. 71)

King Service, Inc., Green Island Petroleum Products Dock (P.W.D. Ref. No. 77)

King Service, Inc., South Troy Petroleum Products Dock (P.W.D. Ref. No. 83)

Chevron U.S.A. Troy Terminal Dock (P.W.D. Ref. No. 84)

Bray Terminals, Inc., Petroleum Products Dock (P.W.D. Ref. No. 86)

Spoor-Lasher Co., Inc., Petroleum Products Dock (P.W.D Ref. No. 95)

Sousa Poughkeepsie Terminal Dock (P.W.D. Ref. No. 96)

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Georgia Pacific Corp., Gypsum Unloading Dock (P.W.D. Ref. No. 104)

Mobil Oil Corp. Ossining Terminal Dock (P.W.D. Ref. No. 107)

THE PORT OF ALBANY
AND PORTS ON THE HUDSON RIVER, NY

PORT AND HARBOR FACILITIES

PIERS, WHARVES, AND DOCKS

One hundred and eleven waterfront facilities are described in this report on the Port of Albany and Ports on the Hudson River. Thirty of these facilities are within the Port of Albany of which twenty-three are along the right bank of the Hudson River; 15 within the City of Albany, and 8 in the Township of Bethlehem. Eight are along the left bank of the Hudson River; 5 in the City of Rensselaer, and 3 in the Township of East Greenbush. Seventy facilities are located on the Hudson River above and below the Port of Albany; forty-seven on the right bank, and twenty-three on the left bank. In addition, eight facilities are located on Rondout Creek; three on the right bank, and five on the left bank; and one facility each is located on the left banks of Esopus Creek and Catskill Creek.

Each facility is described under a reference number in the table of Piers, Wharves, and Docks beginning on page 19. These reference numbers designate facility locations on the accompanying Port Facilities Maps. The Index Map depicts the Hudson River from the Tappan Zee Bridge to the Mohawk River and shows project channels and anchorage areas and defines the areas covered by each of the Port Facilities Maps.

The numerous waterfront facilities along the river used exclusively by recreational or active military craft, and generally those waterfront facilities providing non-maritime use are not included in this report.

The table on the following pages summarizes the functional uses of the various piers, wharves, and docks. Many wharves are used for multiple purposes as indicated in the table; each can be identified by its respective P.W.D reference number.

A summary of the facilities engaged in handling general cargo is given on the following page.

SUMMARY OF GENERAL CARGO FACILITIES

P.W.D. REF. NO.	TERMINAL	BERTHING SPACE (feet)	DEPTHS ALONGSIDE AT MLW (feet)	TRANSIT SHEDS	
				NUMBER	CARGO SPACE (S.F.)
	PORT OF ALBANY				
64(1)	Berths 5 and 6	750(2)	32	2	79,200
65	Berth 4	425(2)	32	1	35,000
67(1)	Berth 2	300(2)	32	-	-
68(1)	Berth 1	600(2)	32	1	60,000
TOTAL		2075	-	4	174,200

(1) See Purpose for which Used Table for other specialized uses of facility.

(2) Berths 1-10 in line provide 4,070 feet of continuous berthing. Specialized use of other berths can be found in the Purpose for which Used Table.

PURPOSE FOR WHICH USED

LOCATION	RIGHT BANK, HUDSON RIVER																									A			B					C			
P.W.D. REFERENCE NUMBERS:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Cargo handling:																																						
Crushed stone				•								•																	•									
Gypsum											•																											
Petroleum products								•		•			•	•	•	•	•	•				•	•	•	•	•	•					•	•	•	•	•		
Sand						•			•																		•				•				•	•		
Scrap metal																														•								
Marine repairs		•																	•									•									
Mooring (miscellaneous)			•		•		•												•												•						
Passengers																					•																	
Handling construction equipment																			•																			
Not operated/not used	•																			•																•	•

LOCATION	C		D	C			E	RIGHT BANK, HUDSON RIVER																																
P.W.D. REFERENCE NUMBERS:	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
Cargo handling:																																						
General cargo																										•	•		•	•								
Asphalt									•													•	•															
Automobiles																													•	•								
Bananas																												•										
Brick												•																											
Cement	•			•	•	•							•																									
Crushed stone		•																																				
Grain																									•													
Gypsum				•									•																									
Molasses																									•	•												
Petroleum products							•	•	•		•			•	•	•	•		•	•	•	•	•									•	•	•			•	•
Scrap metal																								•														
Fueling small vessels																																	•					
Mooring U.S. Government vessels			•																												•							
Mooring (miscellaneous)		•						•		•																									•	•		
Not operated/not used																		•																				

A - Right bank, Rondout Creek
B - Left Bank, Rondout Creek
C - Right bank, Hudson River
D - Left bank, Esopus Creek
E - Left bank, Catskill Creek

PURPOSE FOR WHICH USED

LOCATION	F	LEFT BANK, HUDSON RIVER															
P.W.D. REFERENCE NUMBERS:	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
Cargo handling:																		
Asphalt								•										
Caustic soda									•									
Crushed stone			•			•												
Lumber									•									
Petroleum products	•						•			•	•	•	•	•	•	•	•	
Sand						•												
Marine repair				•														
Mooring U.S. Government equipment					•													
Mooring (miscellaneous)									•									
Not operated/not used		•																•

LOCATION	LEFT BANK, HUDSON RIVER																
P.W.D. REFERENCE NUMBERS:	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111
Cargo handling:																	
Crushed stone			•														•
Gypsum										•							
Petroleum products	•	•		•	•	•	•		•		•	•	•		•	•	
Sand	•																•
Mooring (miscellaneous)									•								
Not operated/not used								•						•			

F - Right bank, Hudson River

Corps of Engineers Port Code No.	03002						03010		
REFERENCE NUMBER ON MAP NO. 1	1 Dock Code No. 201			2 Dock Code No. 250			3 Dock Code No. 111		
NAME	Powell Boatyard Pier.			Petersen Dock.			Hudson River Aggregates, Loaded Barge Mooring Pier.		
LOCATION ON WATERFRONT	Nyack, approximately 5,600 feet above Tappan Zee Bridge.			Upper Nyack, approximately 2.0 miles above Tappan Zee Bridge.			Haverstraw, approximately 7,500 feet below Bowline Point.		
OWNED BY	Powell Boatyard, Inc.			Julius Petersen, Inc.			Hudson River Aggregates, Inc.		
OPERATED BY	Not operated.			do.			do.		
PURPOSE FOR WHICH USED	Not used.			Mooring small vessels for repairs; shed on dock used for storage and repair of small craft.			Mooring loaded barges.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked, 4-foot wide, L-shaped pier.			Part timber and part concrete bulkhead with asphalt-surfaced solid fill; timber pile fender system; row of timber piles extend from upper end in line with face.			Timber pile, timber-decked pier, sections 7 feet wide.		
DESCRIPTION	Face	Lower side	Upper side	Face	Lower side	Upper side	Face	Lower side	Upper side
Dimensions (Feet)	20	146	150	65	100+140	25	3	160	160
Depth Alongside at MLW Do.	Dries.	Dries.	Dries.	10	3-10	10	14	0-14	0-14
Usable Berthing Space Do.	-	-	-	165 w/dolphs.	240	-	-	-	140
Width of Apron Do.	Open.			30			Open.		
Height of Deck Above MLW Do.	8			8			5-5.5		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Unlighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			One 50-ton mobile boat lift; one 20-ton, A-frame, stiff-leg derrick with 70-foot boom.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via Piermont Avenue, aaphalt, 24 feet wide.			Via road, asphalt, from Van Houten Street, asphalt, 20 feet wide, from Broadway, asphalt, 30 feet wide.			Via plant road, from Riverside Avenue, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			Through small hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			A.C., 220 volts, 3-phase, 60-cycle.			A.C., 110 volts, single-phase, 60-cycle.		
FIRE PROTECTION (Other than City)	None.			Standpipes and hand extinguishers.			Watchmen.		
REMARKS	Marine repair plant located in boatyard to rear of pier. One 20-ton marine railway located above inner end of pier.			Marina basin located on lower side. 100-ton marine railway located on upper side.			Portions of pier are 7 feet wide.		

PIERS, WHARVES, AND DOCKS
Right bank, Hudson River, Haverstraw

Corps of Engineers Port Code No. 03010

REFERENCE NUMBER ON MAP NO. 1	4 Dock Code No. 111	5 Dock Code No. 111	6 Dock Code No. 111
NAME	Hudson River Aggregatea, Dock No. 1.	Hudson River Aggregates, Light Barge Mooring Dock.	Hudaon River Aggregates, Dock No. 2.
LOCATION ON WATERFRONT	Approximately 7,400 feet below Bowline Point.	Approximately 7,250 feet below Bowline Point.	Approximately 7,150 feet below Bowlina Point.
OWNED BY	Hudson River Aggregates, Inc.	Hudson River Aggregates, Inc.	Hudson River Aggregates, Inc.
OPERATED BY	do.	do.	do.
PURPOSE FOR WHICH USED	Shipment of crushed rock by barge.	Mooring empty barges.	Shipment of sand and screenings by barge.
TYPE OF CONSTRUCTION	Timber pile, concrete-decked pier, parallel to earth embankment along upper side and connected to embankment by 2 timber walkways.	Timber pile, timber-decked offahore, 3-foot wide walkway supported by timber piles; connects to Dock No. 1 at lower end and Dock No. 2 at upper end.	Timber pile, timber-decked, offshore wharf.

DESCRIPTION	Face	Lower side	Upper side	Face			Face		
Dimensions (Feet)	25	150	150	280			150		
Depth Alongside at MLW Do.	14	14	-	10			14		
Usable Berthing Space Do.	-	90	-	280			150		
Width of Apron Do.	0			3			3		
Height of Deck Above MLW Do.	5			9			9		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	One 32-inch, electric, covered, belt-conveyor aystem discharges crushed stone into revolving chute at the end of a 30-foot boom, rate of 840 tons per hour; winch for poaitioning barges located on lower side.	None.	Sand and screenings are dumped from trucks into hopper serving a 30-inch, electric, belt conveyor which discharges material into barges, rate, 10 tons per hour.
RAILWAY CONNECTIONS	None.	None.	None.
HIGHWAY CONNECTIONS	Via plant roads, from Riverside Avenue, asphalt, 24 feet wide.	Same as Ref. No. 4.	Same as Ref. No. 4.
WATER SUPPLY (Available to Vessels)	Through hose connections.	None.	Same as Ref. No. 4.
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle.	Same as Ref. No. 4.	Same as Ref. No. 4.
FIRE PROTECTION (Other than City)	Hand extinguishers and watchmen.	Same as Ref. No. 4.	Same as Ref. No. 4.
REMARKS	Crusher and screening plant located about ¼ mile in rear.		-

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Haverstraw

Corps of Engineers Port Code No. 03010

REFERENCE NUMBER ON MAP NO. 1	7 Dock Code No. 111	8 Dock Code No. 131	9 Dock Code No. 121
NAME	Hudson River Aggregates, Dock No. 3.	Rockland Fuel Dock.	Keahon Brothers Dock.
LOCATION ON WATERFRONT	Approximately 7,000 feet below Bowline Point.	Approximately 4,000 feet below Bowline Point.	Approximately 3,700 feet below Bowline Point.
OWNED BY	Hudson River Aggregates, Inc.	Rockland Fuel Oil Co., Inc.	Keahon Brothers, Inc.
OPERATED BY	do.	do.	do.
PURPOSE FOR WHICH USED	Mooring tugs and loaded scows; minor repairs to vessels.	Receipt of petroleum products by barge.	Receipt of sand by barge.
TYPE OF CONSTRUCTION	Lower end: Steel sheet pile bulkhead with solid fill. Upper end: Concrete bulkhead with solid fill.	Timber bulkhead with solid fill.	Part concrete and part timber sheet pile bulkhead with solid fill.
DESCRIPTION	Face	Face	Face
Dimensions (Feet)	150	150	300 approx.
Depth Alongside at MLW Do.	14	8	8
Usable Berthing Space Do.	150	150	200
Width of Apron Do.	Open.	10	Open.
Height of Deck Above MLW Do.	9	5	7
Load Capacity per Sq.Ft. (Lbs.)	-	-	-
Lighted or Unlighted	Lighted.	Lighted.	Lighted.
TRANSIT SHEDS	None.	None.	None.
Number and Type of Construction			
Length and Width (Feet)			
Height Inside Do.			
Floor Area for Cargo (Sq.Ft.)			
Load Capacity per Sq.Ft. (Lbs.)			
Cargo Doors			
MECHANICAL HANDLING FACILITIES	None.	None.	One 25-ton, diesel crawler crane with 75-foot boom.
RAILWAY CONNECTIONS	None.	None.	None.
HIGHWAY CONNECTIONS	Via plant roads, from Riverside Avenue, asphalt, 24 feet wide.	Via plant road, from Dr. George W. Girling Drive, gravel, 20 feet wide.	Same as Ref. No. 8.
WATER SUPPLY (Available to Vessels)	Through hose connections.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle.	None.	None.
FIRE PROTECTION (Other than City)	Hand extinguishers and watchmen.	None.	None.
REMARKS		Three 6-inch and one four-inch pipelines extend to 14 steel storage tanks in rear, total capacity 58,280 barrels.	-

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No.	03010			03013			03015		
REFERENCE NUMBER ON MAP NO. 1	10 Dock Code No. 100			11 Dock Code No. 101			12 Dock Code No. 201		
NAME	Bowline Point Generating Station Fuel Oil Unloading Pier.			United States Gypsum Company Dock.			Tompkins Cove Landing Dock.		
LOCATION ON WATERFRONT	Haverstraw, Bowline Point.			Stony Point, approximately 2,000 feet below Grassy Point.			Tompkins Cove, approximately 4,000 feet above Stony Point.		
OWNED BY	Orange and Rockland Utilities, Inc., and Consolidated Edison Company of New York, Inc.			United States Gypsum Company.			Hudson River Aggregates, Inc.		
OPERATED BY	Orange and Rockland Utilities, Inc.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of fuel oil for plant consumption.			Receipt of gypsum rock.			Shipment of crushed rock by barge.		
TYPE OF CONSTRUCTION	Tubular steel pile and frame offshore, two-level deck platform with timber fender system, connected to shore by 505- by 15-foot steel approach; one steel pile and frame breasting dolphin on each side; connected by (Continued under Remarks)			Steel pile concrete decked offshore platform with steel pile supported conveyor approach; 2 steel pile concrete decked breasting dolphins in line with face and 2 similar mooring dolphins in rear of line of face all connected to shore by steel catwalks.			Timber pile, timber-decked offshore platform with 3-foot wide timber walkway approach. Row of timber piles in line with face connected by walkway.		
DESCRIPTION	Face	Lower side	Upper side	Face	Outer side	Inner side	Face	Lower side	Upper side
Dimensions (Feet)	40	41	41	50	100	100	65	12	12
Depth Alongside at MLW Do.	24	-	-	24	-	-	25	25	25
Usable Berthing Space Do.	280w/dolphs	-	-	195 @ dolphs	-	-	700 w/piles	-	-
Width of Apron Do.	-			-			-		
Height of Deck Above MLW Do.	20 upper; 7 lower			8			9		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Two 10-inch marine unloading arms with 41-foot envelopes are located on upper deck.			Self-unloading vessels discharge into receiving hopper served by a 42-inch electric, covered belt-conveyor system extending to plant in rear; rate of 1,200 tons per hour.			Vessels are loaded by 48-inch, electric, belt-conveyor system extending to platform; rate of 1,200 tons per hour.		
RAILWAY CONNECTIONS	One surface track serves plant in rear, connects with Consolidated Rail Corp.			None.			None.		
HIGHWAY CONNECTIONS	Via plant roads, asphalt, 20 and 24 feet wide, from Samsondale Road, asphalt, 24 feet wide.			Via Grassy Point Road, unpaved, 15 feet wide, from River Road, and from Main Street, each asphalt, 22 feet wide.			Via plant road, unpaved, from Elm Street, asphalt, 20 feet wide, from U.S. Highway 9W, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			Through 2 1/2-inch line.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle.			A.C., 440 volts, 3-phase, 60-cycle.			A.C., 110 volts, single-phase, 60-cycle; A.C., 220/440 volts, 3-phase, 60-cycle.		
FIRE PROTECTION (Other than City)	Foam system, hydrants, and hand extinguishers.			Hand extinguishers.			Hand extinguishers.		
REMARKS	catwalks and one steel mooring dolphin located outside of and to the rear of each breasting dolphin; fronted by rubber tire fenders. One 24-inch pipeline extends from wharf to 6 steel storage tanks in rear, total capacity 870,000 barrels.						Rock quarry located 600 feet in rear.		

Right bank, Hudson River

Corps of Engineers Port Code No.	03015			03035					
REFERENCE NUMBER ON MAP NO. 1	13 Dock Code No. 101			14 Dock Code No. 101			15 Dock Code No. 109		
NAME	Lovett Plant Fuel Dock.			Texaco Dock.			Affron Tank Terminals Dock.		
LOCATIDN DN WATERFRONT	Tompkins Cove, approximately 1.1 miles above Sandy Point.			New Windsor, approximately 3.3 miles below Newburgh-Beacon Bridge.			New Windsor, approximately 2.9 miles below Newburgh-Beacon Bridge.		
OWNED BY	Orange and Rockland Utilities, Inc.			Texaco, Inc.			Affron Tank Terminals, Inc.		
OPERATED BY	do.			do.			Affron Tank Terminals, Inc.; Cities Service Company; and Amoco Oil Company.		
PURPDSE FOR WHICH USED	Receipt of fuel oil for plant consumption.			Receipt of petroleum products by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel pile, concrete-decked platform with 240- by 4-foot approach; one steel sheet pile, concrete capped, cellular breasting dolphin on each side connected by steel catwalks; fronted by rubber loop fender system.			Three steel sheet pile, cellular breasting dolphins connected by steel catwalks; fronted by rubber fender system; center dolphin is topped by a steel cantilever deck and is connected to shore by a 700- by 3-foot, steel sheet pile (Continued under Remarks.)			One steel and one wooden permanently grounded barges side-by-side with 120- by 4-foot approach; barges fronted by 2 timber breasting dolphins.		
DESCRIPTION	Face	Lower side	Upper side	Face	Lower side	Upper side	Face	Lower side	Upper side
Dimensions (Feet)	25	25	25	70	25	25	90	268	268
Depth Alongside at MLW Do.	40	-	-	35			12-15	6-12	6-12
Usable Berthing Space Do.	285w/dolphs.	-	-	268c/c dolphins.			100w/dolphs.	-	-
Width of Apron Do.	-			-			Open.		
Height of Deck Above MLW Do.	12			14			8		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One stiff-leg derrick for handling hose; small boat lift for pollution control boat located on lower side of approach.			Steel tower for hose handling.			None.		
RAILWAY CONNECTIONS	One surface track at plant in rear connects with Consolidated Rail Corp.			Consolidated Rail Corp.: Two surface tracks located between dock and storage tanks do not connect with terminal.			Same as Ref. No. 14.		
HIGHWAY CONNECTIONS	Via plant roads, asphalt, 15 feet wide, from Elm Street, asphalt, 20 feet wide, from U.S. Highway 9W, asphalt, 24 feet wide.			Via plant road, from River Road, asphalt, 24 feet wide, from U.S. Highway 9W, concrete, 50 feet wide.			Same as Ref. No. 14.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle; A.C., 440 volts, 3-phase, 60-cycle.			None.			A.C., 110 volts, single-phase, 60-cycle.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			Hand extinguishers.			Hand extinguishers.		
REMARKS	Two 8- and two 6-inch pipeline connections becoming one 10-inch pipeline extends to 3 steel storage tanks at rear, total capacity of 213,850 barrels.			cell supported steel catwalk; one steel pile, steel-decked mooring dolphin located at outside and rear of each outside breasting dolphin. One 16-, two 8-, and one 6-inch pipelines extend to 8 storage tanks at terminal in rear, total capacity 476,190 barrels.			Affron Tank Terminals, Inc.: One 8- and one 6-inch pipelines extend to 5 storage tanks total capacity 109,520 barrels. Cities Service Co.: Two 6-inch pipelines extend to 7 steel storage tanks total capacity 69,430 barrels. Amoco Oil Co.: One 6-inch pipeline extends to 4 storage tanks, total capacity 66,670 barrels.		

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, New Windsor

Corps of Engineers Port Code No. 03035

REFERENCE NUMBER ON MAP NO. 1	16 Dock Code No. 109			17 Dock Code No. 109			18 Dock Code No. 119		
NAME	Exxon Co., U.S.A./Sunmark Industries Dock.			Mid-Valley Petroleum Corp. Dock.			Mobil Oil Corp. Dock.		
LOCATION ON WATERFRONT	Approximately 2.9 miles below Newburgh-Beacon Bridge.			Approximately 2.4 miles below Newburgh-Beacon Bridge.			Approximately 2.3 miles below Newburgh-Beacon Bridge.		
OWNED BY	Exxon Co., U.S.A., and Sunmark Industries, Inc.			Mid-Valley Petroleum Corp.			Mobil Oil Corp.		
OPERATED BY	Exxon Co., U.S.A.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Two steel sheet pile, cellular breasting dolphins with 475- by 3-foot steel approach extending from shore to upper dolphin; small boat lift for pollution control boat located at center of approach.			Steel pile, steel-decked offshore platform with 200-foot steel approach; row of 4 timber breasting dolphins in line with face.			Steel pile, steel-decked offshore platform with 210- by 4-foot steel approach; one steel pile, concrete capped rectangular breasting dolphin and one steel sheet pile, cellular breasting dolphin located above and below the platform, (Continued under (Remarks).		
DESCRIPTION	Breasting Dolphins			Face	Lower side	Upper side	Face	Lower side	Upper side
Dimensions (Feet)	100			34	30	30	60	35	35
Depth Alongside at MLW Do.	17			21	-	-	32	-	-
Usable Berthing Space Do.	100			130w/dolphs.	-	-	230w/dolphs.	-	-
Width of Apron Do.	-			-			-		
Height of Deck Above MLW Do.	10			8			8		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			None.			Steel tower for handling hose.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via plant road, from River Road, asphalt, 24 feet wide, from U.S. Route 9W, concrete, 50 feet wide.			Same as Ref. No. 16.			Same as Ref. No. 16.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			Foam cart, portable water pump (in plant), and hand extinguishers.			Hand extinguishers.		
REMARKS	Exxon Co., U.S.A.: Three 8-inch pipelines to 6 storage tanks, total capacity 128,030 barrels. Sunmark Industries, Inc.: Three 8-inch pipelines to 4 storage tanks, total capacity 51,200 barrels.			One 12-, five 8-, and one 6-inch pipelines extend to 10 storage tanks in rear, total capacity 275,000 barrels.			respectively; steel catwalks connect dolphins to platform fronted by rubber tire fenders. One 12-, two 10-, two 8-, and one 6-inch pipelines extend to 7 storage tanks, total capacity 411,000 barrels.		

Right bank, Hudson River, Newburgh

Corps of Engineers Port Code No. 03036

REFERENCE NUMBER ON MAP NO. 1	19 Dock Code No. 101			20 Dock Code No. 105			21 Dock Code No. 113		
NAME	Steel Style Pier No. 2.			William Parrott's Dock.			Newburgh Landing.		
LOCATION ON WATERFRONT	Approximately 2.2 miles below Newburgh - Beacon Bridge.			Approximately 1.3 miles below Newburgh - Beacon Bridge			Approximately 1.2 miles below Newburgh - Beacon Bridge.		
OWNED BY	Steel Style, Inc.			George Kohler and Ralph Risio.			City of Newburgh.		
OPERATED BY	do.			William Parrott's Sons, Inc.			do.		
PURPOSE FOR WHICH USED	Mooring barges and shallow draft vessels for repairs; handling construction equipment; and mooring small vessels.			Mooring company-owned floating equipment.			Mooring excursion boats and other vessels.		
TYPE OF CONSTRUCTION	Pier formed by timber retaining walls with solid fill.			Offshore row of timber piles with 45- by 4-foot timber catwalk along rear of upper end, extending from timber bulkhead with solid fill at lower end.			Timber pile, timber-decked offshore wharf with 75- by 21-foot timber approach; one timber breasting dolphin on lower side in line with face.		
DESCRIPTION	Face	Lower side	Upper side	Face			Face	Lower side	Upper side
Dimensions (Feet)	90	600	600	150			75	25	25
Depth Alongside at MLW Do.	10	6-10	5-10	14			15	-	-
Usable Berthing Space Do.	90	600	600	250			175 w/dolph.	-	-
Width of Apron Do.	Open.			40			-		
Height of Deck Above MLW Do.	3			6			6		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One 100-ton diesel, crawler crane with 200-foot boom; two 10-ton stationary tower cranes with 70-foot booms.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via plant roads, asphalt, from Water Street, asphalt, 24 feet wide.			Via private road, asphalt, 20 feet wide, from Front Street, concrete and asphalt, 30 feet wide, from River Road, asphalt, 24 feet wide.			Via Front Street, asphalt and concrete, 30 feet wide, from Water Street, asphalt and concrete, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	Through hose connections.			Through small hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 440 volts, 3-phase, 60-cycle.			A.C., 220 volts, 3-phase, 60-cycle.			None.		
FIRE PROTECTION (Other than City)	Hydrants.			Hand extinguishers.			None.		
REMARKS	Pier No. 1, located about 100 feet above Pier No. 2, was not usable at time of survey. One ship side launchway located north of Pier No. 1 and one ship side launchway located south of Pier No. 2. Marine repair and ship building plant located in rear.			-					

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No.	03036			03041					
REFERENCE NUMBER ON MAP NO. 1	22 Dock Code No. 135			23 Dock Code No. 101			24 Dock Code No. 111		
NAME	Agway Petroleum Dock.			Amerada Hess Roseton Dock.			Roseton Generating Station Dock.		
LOCATION ON WATERFRONT	Newburgh, approximately 0.2 mile below Newburgh-Beacon Bridge.			Roseton, approximately 1.5 miles below Dannskammer Point.			Roseton, approximately 0.6 mile below Dannskammer Point.		
OWNED BY	Agway Petroleum Corp.			Amerada Hess Corp.			Central Hudson Gas & Electric Corp., Niagara Mohawk Power Corp., and Consolidated Edison Co. of New York, Inc.		
OPERATED BY	do.			do.			Central Hudson Gas & Electric Corp.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by tanker and barge, and fuel oil for plant consumption.			Receipt of fuel oil for plant consumption.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked offshore platform with 2-foot wide timber approach; one timber breasting dolphin on each side in line with face; 4-foot wide timber walkway located at rear of platform extends northward to shore.			Timber pile, timber-decked offshore platform with 4-foot wide timber approach; one steel pile, concrete-capped, breasting dolphin on each side connected by steel catwalks; fronted by rubber tire fender system.			Three steel sheet pile, cellular breasting dolphins connected by steel catwalks; a 300-foot steel shore approach extends to center dolphin; fronted by rubber loop fender system; concrete cellular mooring dolphins located in rear of line of face.		
DESCRIPTION	Face	Lower side	Upper side	Face	Lower side	Upper side	Face		
Dimensions (Feet)	6	5	5	30	20	20	30		
Depth Alongside at MLW Do.	16	-	-	32	-	-	35		
Usable Berthing Space Do.	100 w/dolphs	-	-	210	-	-	325		
Width of Apron Do.	-			-			-		
Height of Deck Above MLW Do.	5			8			10		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			Steel hose-handling tower with three 8-inch hose connections.			Two swivel-jointed unloading arms.		
RAILWAY CONNECTIONS	None.			None.			One surface track serves power plant; connects with Consolidated Rail Corp.		
HIGHWAY CONNECTIONS	Via plant road, asphalt, 18 feet wide, from North Montgomery Avenue, asphalt, 36 feet wide.			Via River Road, asphalt, 22 feet wide.			Via plant roads, asphalt, 24 feet wide, from River Road, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			Through 2-inch line.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			A.C., 110 volts, single-phase, 60-cycle.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			Hydrants and fire pump system on approach.			Three-inch water main with 2½-inch hose connection and dry chemical cart.		
REMARKS	Two 8-inch pipelines extend to 4 storage tanks at terminal in rear, total capacity 73,000 barrels.			Four 6-inch barge and three 8-inch tanker connections from one 10-inch pipeline extending to 10 storage tanks in rear, total capacity 1,462,000 barrels, and 2 storage tanks at Dannskammer Power Plant located approximately one mile north, total capacity 35,700 barrels.			Two 10-inch hose connections to one 24-inch pipeline extending to 6 storage tanks in rear, total capacity 1,100,000 barrels.		

Corps of Engineers Port Code No.	03048			03050			03069		
REFERENCE NUMBER ON MAP NO. 1	25 Dock Code No. 101			26 Dock Code No. 801			27 Dock Code No. 035		
NAME	Shell Oil Co. Dock.			Power Test Dock.			Kingston Oil Supply Corp. Port Ewen Dock.		
LOCATION ON WATERFRONT	Right bank, Hudson River, Milton, approximately 2.0 miles below Blue Point.			Right bank, Hudson River, Highland, approximately 0.8 mile above Mid-Hudson Bridge.			Right bank, Rondout Creek, Port Ewen, approximately 1,400 feet below U.S. Highway No. 9W bridge.		
OWNED BY	Shell Oil Co.			Clay's Oil Terminal Inc.			Kingston Oil Supply Corp.		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked offshore wharf with one timber breasting dolphin on each side in line with face; timber walkway extends from bulkhead to wharf and continues to lower dolphin.			Timber pile, timber-decked wharf with one timber breasting dolphin on each side in line with face.			Steel sheet pile bulkhead with asphalt-surfaced solid fill.		
DESCRIPTION	Face	Lower side	Upper side	Face			Face		
Dimensions (Feet)	250	50	50	20			70		
Depth Alongside at MLW Do.	33	-	-	17			9		
Usable Berthing Space Do.	350	-	-	35 w/dolphs.			70		
Width of Apron Do.	-			-			Open.		
Height of Deck Above MLW Do.	15			4			7		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One twin-boom and one single-boom-derricks for handling hose, no longer used.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via Dock Road, brick, 16 feet wide.			Via terminal roads, gravel, from River Road, brick, 20 feet wide.			Via North Broadway, asphalt, from U.S. Highway No. 9W, asphalt, 30 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Four-inch water line and hand extinguishers.			Dry chemical cart.			Hydrant and hand extinguishers.		
REMARKS	Two 8- and one 6-inch pipelines extend from wharf to ten storage tanks at terminal in rear, total capacity 190,820 barrels.			Six 6-inch pipelines extend to 11 storage tanks in rear, total capacity 94,690 barrels.			Three 6-inch pipelines extend from wharf to 10 storage tanks in rear, total capacity 85,380 barrels.		

PIERS, WHARVES, AND DOCKS

Rondout Creek

Corps of Engineers Port Code No. 03069

REFERENCE NUMBER ON [illegible]. 1	28 Dock Code No. 125			29 Dock Code No. 115			30 Dock Code No. 112		
NAME	Connelly Marine Slipway.			Callanan Industries Port Ewen Plant Oock.			Kingston Recycling Oepot Dock.		
LOCATION ON WATERFRONT	Right bank, Connelly, approximately 0.5 mile above U. S. Highway No. 9W bridge.			Right bank, Esopus, approximately 0.5 mile above Consolidated Rail Corp. Bridge.			Left bank, Kingston, approximately 0.5 mile above Consolidated Rail Corp. Bridge.		
OWNED BY	Chester National Bank.			Callanan Industries, Inc.			Kingston Recycling, Inc.		
OPERATED BY	Nicholas Hollingsworth.			do.			do.		
PURPOSE FOR WHICH USED	Removing small vessels from water for storage or repair.			Shipment of crushed stone by barge.			Shipment of scrap metal by barge.		
TYPE OF CONSTRUCTION	Two parallel 40- by 8-foot, timber pile, timber-decked piers extend from timber bulkhead with solid fill forming 18-foot wide slipway.			Curved steel sheet pile bulkhead with solid fill.			Steel bulkhead with solid fill.		
DESCRIPTION	Slipway								
	End	East side	West side	Face			Face		
Dimensions (Feet)	18	40	40	600			150		
Depth Alongside at MLW Do.	8	8	8	10			9		
Usable Berthing Space Do.	-	40	40	600			150		
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	6			5			6		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Unlighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One 25-ton mobile marine lift.			One 30-inch, electrical, covered belt-conveyor system operates at a rate of 400 tons/hour.			One 35-ton, diesel, crawler crane with 60-foot boom; one 20-ton, gasoline, mobile crane with 50-foot boom.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via Center Street, asphalt, 15 feet wide.			Via plant roads, from New Salem Road, asphalt, 24 feet wide.			Via plant roads, from Abeel Street, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	Through 1-inch line.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 220 volts, 3-phase, 60-cycle.			None.			None.		
FIRE PROTECTION (Other than City)	None.			Hand extinguishers.			None.		
REMARKS	Marine repair plant located at rear. Below the southern pier is a 100-ton marine railway. Boatyard was for sale at time of survey.			Rock quarry located in rear.			Scrap metal storage yard in rear.		

PIERS, WHARVES, AND DOCKS

Left bank, Rondout Creek, Kingston

Corps of Engineers Port Code No. 03069

REFERENCE NUMBER ON MAP NO. 1	31 Dock Code No. 100	32 Dock Code No. 070	33 Dock Code No. 060
NAME	Island Dock Lumber Dock.	Exxon Plant Dock.	Kingston Terminal Dock.
LOCATION ON WATERFRONT	Approximately 300 feet below U.S. Highway No. 9W bridge.	Approximately 3,500 feet below U.S. Highway No. 9W bridge.	Approximately 3,700 feet below U.S. Highway No. 9W bridge.
OWNED BY	Island Dock Lumber, Inc.	Kingston Oil Supply Corp.	Kingston Oil Supply Corp.
OPERATED BY	do.	do.	do.
PURPOSE FOR WHICH USED	Receipt of sand by barge, occasional mooring of barges.	Receipt of petroleum products by barge.	Receipt of petroleum products by barge.
TYPE OF CONSTRUCTION	Timber bulkhead with solid fill.	Timber bulkhead with solid fill.	Timber bulkhead with solid fill.
DESCRIPTION	Face	Face	Face
Dimensions (Feet)	300	50	400
Depth Alongside at MLW Do.	15	11	11
Usable Berthing Space Do.	300	50	400
Width of Apron Do.	-	6	6
Height of Deck Above MLW Do.	7	7	7
Load Capacity per Sq.Ft. (Lbs.)	-	-	-
Lighted or Unlighted	Open.	Lighted.	Lighted.
TRANSIT SHEDS	None.	None.	None.
Number and Type of Construction			
Length and Width (Feet)			
Height Inside Do.			
Floor Area for Cargo (Sq.Ft.)			
Load Capacity per Sq.Ft. (Lbs.)			
Cargo Doors			
MECHANICAL HANDLING FACILITIES	One 30-ton, diesel crawler crane with 70-foot boom.	None.	None.
RAILWAY CONNECTIONS	None.	None.	None.
HIGHWAY CONNECTIONS	Via private road, from Abeel Street, asphalt, 24 feet wide.	Via plant road, from East Strand Street, asphalt, 24 feet wide.	Same as Ref. No. 32.
WATER SUPPLY (Available to Vessels)	None.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	None.	None.	Hand extinguishers.
REMARKS		Three 6-inch pipelines extend from wharf to 4 storage tanks in rear, total capacity 33,330 barrels.	One 6-inch pipeline extends from wharf to 2 storage tanks in rear, total capacity 40,380 barrels.

PIERS, WHARVES, AND DOCKS
Kingston

Corps of Engineers Port Code No.	03069			03070					
REFERENCE NUMBER ON MAP NO. 1	34 Dock Code No. 050			35 MAP NO. 2 Dock Code No. 004			36 MAP NO. 2 Dock Code No. 002		
NAME	Ballard Plant Dock.			Garraghan Kingston Terminal Dock.			Austin R. Newcombe Dock.		
LOCATION ON WATERFRONT	Left bank, Rondout Creek, approximately 4,000 feet below U.S. Highway 9W Bridge.			Right bank, Hudson River, lower end of Kingston Point.			Right bank, Hudson River, upper end of Kingston Point.		
OWNED BY	Kingston Oil Supply Corp.			R. W. Garraghan Co., Inc.			Austin R. Newcombe & Co., Inc.		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Timber pile bulkhead with solid fill.			Ten- by eighty-foot rubble jetty with 12-foot wide timber walkway and pipe trestle adjacent to lower side extending from shore to 11 feet beyond outer end; two timber cluster pile dolphins in line with face of walkway.			Timber bulkhead with solid fill.		
DESCRIPTION	Face			Face	Lower side		Face		
Dimensions (Feet)	250			12	91		250		
Depth Alongside at MLW Do.	11			18	-		13		
Usable Berthing Space Do.	250			100 w/dolphs.	-		250		
Width of Apron Do.	6			Open.			13		
Height of Deck Above MLW Do.	7			7			7		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via plant road, from East Strand Street, asphalt, 24 feet wide.			Via private road, unpaved, from Delaware Avenue, asphalt, 20 feet wide.			Via plant road, from Delawsre Avenue, asphalt, 20 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None			None.			None.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			None.			Hand extinguishers.		
REMARKS	Three 6-inch pipelines extend from wharf to 4 storege tanks in rear, total capacity 42,140 berrels.			One 8- and two 6-inch pipelines extend from face to 5 storage tanks in rear, total capacity 47,620 barrels.			Four 6-inch pipelines extend from wharf to 13 storage tenks in rear, total capacity 89,650 berrels.		

Corps of Engineers Port Code No. 03070

REFERENCE NUMBER ON MAP NO. 2	37 Dock Code No. 006	38 Dock Code No. 007	39 Dock Code No. 008
NAME	Jova Manufacturing Corp. Dock.	Colonial Oil Dock.	Independent Cement Corp. Dock.
LOCATION ON WATERFRONT	Approximately 2,000 feet above Kingston Point.	Approximately 2.4 miles below Kingston-Rhinecliff Bridge.	Approximately 2.3 miles below Kingston-Rhinecliff Bridge.
OWNED BY	Jova Manufacturing Corp.	Colonial Sand and Stone Co., Inc.	Colonial Sand and Stone Co., Inc.
OPERATED BY	Not operated.	Not operated.	Independent Cement Corp.
PURPOSE FOR WHICH USED	Not used.	Not used.	Shipment of cement by barge.
TYPE OF CONSTRUCTION	Timber bulkhead with solid fill.	Timber pile, timber-decked offshore platform with timber supported steel catwalk; 5 timber pile, timber-decked breasting platforms in line with face; inner 3 dolphins connected by steel catwalk.	Timber pile, timber-decked offshore wharf with 40-foot timber approach and L-shaped, steel sheet pile bulkhead with 15-foot wide concrete apron.

DESCRIPTION									
	Face			Face			Offshore Wharf		Bulkhead
							Side, each	Face	Face
Dimensions (Feet)	200			100			13	8	45+100
Depth Alongside at MLW Do.	12			20			-	20	18
Usable Berthing Space Do.	200			300 w/dolphs.			-	150 wharf and bulkhead.	
Width of Apron Do.	30			Open.			-	-	Open.
Height of Deck Above MLW Do.	7			10			10, wharf; 8, bulkhead.		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	One 10-ton, twin-cantilever boom, gantry crane with 40-foot outboard reach, flush to brick storage warehouse in rear; overhead bridge crane in warehouse transports brick onto gantry crane for loading barges. Gantry crane was not in use at time of survey.	None.	One steel-supported, 16-inch air slide conveyor pipeline on bulkhead.
RAILWAY CONNECTIONS	None.	Surface tracks in rear connect with Consolidated Rail Corp.	Same as Ref. No. 38.
HIGHWAY CONNECTIONS	Via plant roads, from North Street, asphalt, 24 feet wide.	Via plant roads, unpaved, from North Street, asphalt, 24 feet wide.	Same as Ref. No. 38.
WATER SUPPLY (Available to Vessels)	None.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	None.	Chemical carts.	River water pump, dry chemical cart, hand extinguishers.
REMARKS	Brick manufacturing plant located in rear.	One 12-inch pipeline with two 8-inch connections extends from wharf to one 95,240-barrel storage tank at rear; line was blanked at time of survey.	One 12- and one 10-inch cement pipelines extend to wharf from cement plant in rear.

Corps of Engineers Port Code No.	03070			03079			03085		
REFERENCE NUMBER ON MAP NO. 2	40 Dock Code No. 007			41 Dock Code No. 501			42 Dock Code No. 615		
NAME	Colonial Stone Dock.			U. S. Coast Guard Saugerties Station Dock.			Alpha Portland Cement Dock.		
LOCATION ON WATERFRONT	Right bank, Hudson River, Kingston, approximately 2.1 miles below Kingston-Rhinecliff Bridge.			Left bank, Esopus Creek, Saugertiea, approximately 0.4 mile above mouth of Esopus Creek.			Right bank, Hudaon River, Cementon, approximately 0.8 mile below Silver Point.		
OWNED BY	Colonial Sand and Gravel Co., Inc.			United States Government.			Alpha Portland Cement Industries.		
OPERATED BY	do.			United States Coast Guard.			Alpha Portland Cement Industries and Paul Blum Co., Inc.		
PURPOSE FOR WHICH USED	Shipment of crushed stone by barge; occasional mooring of small vessels on lower side.			Mooring U.S. Coast Guard vessels.			Lower end: Shipment of cement by barge. Upper end: Receipt of gypsum rock.		
TYPE OF CONSTRUCTION	Steel sheet pile bulkhead with concrete-surfaced solid fill.			Timber pile, concrete-decked wharf; extending from timber bulkhead; one small aluminum float moored to lower side of bulkhead.			Concrete retaining wall with concrete surfaced solid fill on timber relieving platform supported by timber piles, fronted by timber fender system; one steel pile, steel-decked breasting platform with rubber loop fenders, connected to lower side by steel catwalk.		
DESCRIPTION	Face	Lower side	Upper side	Face	Lower side	Upper side	Face	Lower side	Upper side
Dimensions (Feet)	175	40	10	60	25	25	300, approx.	35	5
Depth Alongside at MLW Do.	20	-	-	11	11	11	14	-	-
Usable Berthing Space Do.	175	40	-	300 w/bulkhead			380 w/dolph.		
Width of Apron Do.	Open.			Open.			2 & Open.		
Height of Deck Above MLW Do.	10			6			6 and 8		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One 30-inch, electric belt-conveyor system with 25-foot outboard reach.			One 10-ton, diesel, mobile crane with 30-foot boom.			One pneumatic pipeline with 40-foot teleacoping boom for loading cement onto veasels, extends from storage bin at rear of lower end; a 60-inch electric belt-conveyor extends to plant from upper end for gypsum rock; rate 300 tons per hour.		
RAILWAY CONNECTIONS	None.			None.			Plant trackage connects with Consolidated Rail Corp.		
HIGHWAY CONNECTIONS	Via plant roads, gravel, 15-20 feet wide, from North Street, esphalt, 24-feet wide.			Via facility roads, esphalt, from Light House Drive, esphalt, 20 feet wide.			Via plant roads, from U.S. Highwey 9W, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			Through hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			A.C., 220 volts, 3-phase, 60-cycle; A.C., 440 volts, 3-phase, 60-cycle.			None.		
FIRE PROTECTION (Other than City)	Chemical carts and hand extinguishers.			Fire line and hand extinguishers.			None.		
REMARKS	Dock house located on apron at rear of bulkhead supports belt-conveyor.						Alpha Portland Cement Industries: One 12-inch pipeline extends from wharf to one storage tank total capacity 9,850 tons not in use at time of survey.		

Corps of Engineers Port Code No.	03085			03093					
REFERENCE NUMBER ON MAP NO. 2	43 Dock Code No.605			44 Dock Code No. 120			45 Dock Code No. 105		
NAME	Lehigh Portland Cement Co. Dock.			Marquette Cement Manufacturing Co., Barge Loading Dock.			R. E. Smith Fuel Co. Dock.		
LOCATION ON WATERFRONT	Right bank, Hudson River, Cementon, approximately 0.6 mile below Silver Point.			Right bank, Hudson River, Cementon, approximately 0.6 mile above Silver Point.			Left bank, Catskill Creek, approximately 0.1 mile above mouth of Catskill Creek.		
OWNED BY	Lehigh Portland Cement Co. subsidiary of Heidelberger Portland Zement Werk A.G.			Marquette Cement Manufacturing Co.			R. E. Smith Fuel Co., Inc.		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Shipment of cement by barge.			Shipment of cement by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked wharf, with 3 timber approaches; fronted by concrete retaining wall; and rubber tire fenders.			Steel sheet pile bulkhead with solid fill.			Timber bulkhead with solid fill.		
DESCRIPTION	Face			Face			Face	Lower side	Upper side
Dimensions (Feet)	281			430			100	15	15
Depth Alongside at MLW Do.	17			32			9	-	-
Usable Berthing Space Do.	281			430			100	-	-
Width of Apron Do.	Open.			1			15		
Height of Deck Above MLW Do.	7			13			5		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Twelve steel hose line connections (See Remarks).			Seven 28-foot, air slide telescoping, loading booms extend from 6 storage bins located one-foot to rear of bulkhead; rate 500 tons/hour (See Remarks).			None.		
RAILWAY CONNECTIONS	Plant trackage connects with Consolidated Rail Corp.			Same as Ref. No. 43.			None.		
HIGHWAY CONNECTIONS	Via plant roads, from U.S. Highway No. 9W, asphalt, 24 feet wide.			Same as Ref. No. 43.			Via terminal road, gravel, from Main Street, concrete, from State Highway No. 385, asphalt, each 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			Through hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 440 volts, 3-phase, 60-cycle.			A.C., 110/220/440 volts, 3-phase, 60-cycle.			None.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			Three river water pumps and hand extinguishers			Hand extinguishers.		
REMARKS	Cement is loaded directly from trucks to barges through hose connections at dockside.			Cement is pneumatically conveyed via 6,500-foot long pipeline from plant to six 750-ton storage bins at a rate of 150 tons/hour.			Three 6-inch pipelines extend to eleven storage tanks in rear, total capacity 69,050 barrels.		

PIERS, WHARVES, AND DOCKS
Right bank, Hudson River

Corps of Engineers Port Code No.	03093			03097					
REFERENCE NUMBER ON MAP NO. 2	46 Dock Code No. 110			47 Dock Code No. 210			48 Dock Code No. 205		
NAME	Amos Post Catskill Terminal Dock.			Peckham Dock.			Phelps Terminal.		
LOCATION ON WATERFRONT	Catskill, approximately 800 feet above the mouth of Catskill Creek.			Athens, approximately 0.3 mile below mouth of Murderers Creek.			Athens, approximately 0.2 mile below mouth of Murderers Creek.		
OWNED BY	Amos Post, Inc.			Peckham Materials Corp.			Raymond E. Phelps.		
OPERATED BY	do.			Peckham Materials Corp., and A. L. Moon, Inc.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge; occasional mooring of small vessels.			Receipt of petroleum products and asphalt by barge.			Mooring marine construction equipment.		
TYPE OF CONSTRUCTION	Timber pile, concrete-decked wharf; fronted by 3 timber breasting dolphins.			Steel sheet pile, solid-filled, 20-foot diameter cell with 45- by 6-foot timber approach; fronted by timber fender system; one timber breasting dolphin in line with face.			Natural bank.		
DESCRIPTION	Face	Lower side	Upper side	Face			Bank		
Dimensions (Feet)	250	20	20	10			500 approx.		
Depth Alongside at MLW Do.	18	-	-	15			0-10		
Usable Berthing Space Do.	250	-	-	130 w/dolph.			Open mooring.		
Width of Apron Do.	15 and 20			-			-		
Height of Deck Above MLW Do.	8			9			-		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Unlighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via terminal road, asphalt, from Main Street, concrete, 24 feet wide, from State Highway No. 385, asphalt, 24 feet wide.			Via plant roads, gravel, from State Highway No. 385, asphalt, 24 feet wide.			Via private road, unpaved, from State Highway No. 385, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Chemical cart and hand extinguishers.			None.			None.		
REMARKS	One 6-inch pipeline extends from wharf to 14 storage tanks in rear, total capacity 52,980 barrels.			Peckham Materials Corp.: One 8-inch pipeline extends from wharf to 3 asphalt storage tanks in rear, total capacity 33,810 barrels. A. L. Moon, Inc.: One 6-inch pipeline to one 23,670-barrel storage tank.					

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No. 03097 03114			
REFERENCE NUMBER ON MAP NO. 2	49 Dock Code No.205	50 Dock Code No. 705	51 Dock Code No. 708
NAME	Amos Post Athens Terminal Dock.	Powell & Minnock Dock.	Atlantic Cement Loading Dock.
LOCATION ON WATERFRONT	Athens, approximately 500 feet below mouth of Murderers Creek.	Coeymans, approximately 0.5 mile above mouth of Coeymans Creek.	Coeymans, approximately 1.2 miles above mouth of Coeymans Creek.
OWNED BY	Amos Post, Inc.	Powell & Minnock Brick Works, Inc., subsidiary of General Dynamics Corp.	Atlantic Cement Co., Inc., a subsidiary of Newmont Mining Co.
OPERATED BY	do.	do.	do.
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.	Shipment of brick by barge.	Shipment of cement by barge and receipt of gypsum rock by ship.
TYPE OF CONSTRUCTION	Timber bulkhead with solid fill.	Timber bulkhead with solid fill.	Marginal wharf: Concrete bulkhead, with solid fill; 2 steel pile, concrete-capped breasting dolphins on each side in line with face connected by steel catwalks; fronted by rubber fender system.
DESCRIPTION	Face	Face	Face / Lower side / Upper side
Dimensions (Feet)	300	200	100 / 100 / 100
Depth Alongside at MLW Do.	7	11	32 / - / -
Usable Berthing Space Do.	300	200	666 w/dolphs. / - / -
Width of Apron Do.	30 and open.	35	Open.
Height of Deck Above MLW Do.	5	10	15
Load Capacity per Sq.Ft. (Lbs.)	-	-	-
Lighted or Unlighted	Lighted.	Lighted.	Lighted
TRANSIT SHEDS	None.	None.	None.
Number and Type of Construction			
Length and Width (Feet)			
Height Inside Do.			
Floor Area for Cargo (Sq.Ft.)			
Load Capacity per Sq.Ft. (Lbs.)			
Cargo Doors			
MECHANICAL HANDLING FACILITIES	None.	One 10-ton, twin-cantilever boom gantry crane with 40-foot outboard reach; flush to brick storage warehouse in rear, overhead bridge crane in warehouse transports brick onto gantry crane to load barges; rate 100 tons/hour.	Air slide telescoping boom extends over vessel from 500-ton capacity receiving hopper on wharf; a 48-inch electric belt-conveyor serving hopper extends to cement plant 1½ miles in rear; rate 1,000 tons/hour. One 48-inch, electric, belt-conveyor serving hopper extends from north dolphin to yard at rear for receipt of gypsum rock; rate 1,000 tons/hour. One swivel-jointed unloading arm was not in use at time of survey.
RAILWAY CONNECTIONS	None.	None.	Plant trackage; connects with Consolidated Rail Corp.
HIGHWAY CONNECTIONS	Via terminal road, gravel, from State Highway No. 385, asphalt, 24 feet wide.	Via plant roads, from State Highway No. 144, asphalt, 24 feet wide.	Via plant roads, gravel, from U.S. Highway 9W, asphalt, 24 feet wide.
WATER SUPPLY (Available to Vessels)	None.	None.	Through 4-inch line.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	A.C., 120 volts, single-phase, 60-cycle; A.C. 440 volts, 3-phase, 60-cycle.
FIRE PROTECTION (Other than City)	Dry chemical cart.	Hand extinguishers.	Chemical cart, fire hose, and hand extinguishers.
REMARKS	Four 6-inch pipelines extend from wharf to 11 storage tanks in rear, total capacity 107,140 barrels.	-	One 10-inch pipeline extends from wharf to 2 storage tanks in rear, total capacity 37,600 tons; not in use at time of survey.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Bethlehem

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	52 Dock Code No. 010			53 Dock Code No. 011			54 Dock Code No. 015		
NAME	Sears Oil Co. Tanker Wharf.			Sears Oil Co. Barge Wharf.			Exxon Co. U.S.A. South Dock		
LOCATION ON WATERFRONT	Approximately 2,200 feet above Van Wies Point.			In rear of and adjacent to inner end of approach to Tanker Wharf. (Ref. No. 52).			Approximately 2,800 feet above Van Wies Point.		
OWNED BY	Sears Oil Company, Inc.			Sears Oil Company, Inc.			Exxon Co., U.S.A		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by tanker.			Receipt of petroleum products by barge.			Receipt and shipment of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel H-pile, concrete-decked, offshore wharf with 80- by 20-foot approach; and row of four 22-foot, steel sheet pile, concrete-capped, cellular breasting dolphins in line with face; all connected by catwalks.			Steel sheet pile bulkhead with solid fill; fronted by timber fender system.			Steel pile, concrete-decked, steel plate surfaced, offshore wharf with steel approach at north end; three 23-foot, steel, sheet pile, cellular breasting dolphins in line with face of wharf; connected by catwalks.		
DESCRIPTION	Face	Lower side	Upper side	Face			Face	Lower side	Upper side
Dimensions (Feet)	40	20	20	408			70	23	23
Depth Alongside at MLW Do.	31	-	-	14			27	-	-
Usable Berthing Space Do.	191 w/dolphs	-	-	400			192 w/dolphs.	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	10			9.5			14		
Load Capacity per Sq.Ft. (Lbs.)	-			-			500		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Steel tower on platform for handling hose.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via terminal road, asphalt, 25 feet wide, from State Highway No. 144, concrete, 24 feet wide.			Same as Ref. No. 52.			Via tarminal road, gravel, 10 feet wide, from State Highway No. 144, concrete, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Steamline, hand extinguishers, and watchmen.			Same as Ref. No. 52.			Hydrants, hose, and hand extinguishers.		
REMARKS	Ten 8-inch pipelines extend from wharf and connect with one 16- and four 12-inch pipelines extending to 12 storage tanks in rear, total capacity 2,000,000 barrels.			Five 8-inch pipeline connections at wharf connect with 16- and 12-inch pipelines described under Ref. No. 53.			Three 14-, one 12-, and five 10-inch pipelines, with fifteen 8-inch connections extend from wharf to 20 storage tanks, total capacity 1,400,000 barrels. Tanks are located along both sides of State Highway No. 144. In addition, one 6-inch ballast waterline extends to wharf from one 16,700-barrel storage tank at rear serving company's North Dock (Ref. No. 55).		

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	55 Dock Code No. 017	56 Dock Code No. 020	57 Dock Code No. 022
NAME	Exxon Co. U.S.A North Dock.	Texaco Ballast Dock.	Texaco North Wharf.
LOCATION ON WATERFRONT	Approximately 3,400 feet above Van Wies Point.	Approximately 3,700 feet above Van Wies Point.	Approximately 4,200 feet above Van Wies Point.
OWNED BY	Exxon Co. U.S.A.	Texaco, Inc.	Texaco, Inc.
OPERATED BY	do.	Not operated.	do.
PURPOSE FOR WHICH USED	Shipment of petroleum products by barge.	Not used.	Receipt of petroleum products by tanker; receipt and shipment of petroleum products by barge.
TYPE OF CONSTRUCTION	One steel sheet pile, cellular, breasting dolphin with rectangular concrete deck and 100- by 5-foot steel approach; a similar dolphin is located north of and in line with face.	One large, steel H-pile, breasting dolphin with 50- by 4-foot approach from shore, and a smaller steel, H-pile breasting dolphin located on lower side.	Steel H-pile, concrete-decked, offshore wharf, with steel approach at south end; two 25-foot, steel sheet pile, cellular breasting dolphins in line with face; fronted by rubber tire fenders. Catwalks extend from shore to each dolphin and from north dolphin to north side of wharf.

DESCRIPTION	Face	Lower side	Upper side	Dolphins			Face	Lower side	Upper side
Dimensions (Feet)	25	20	20	125			60	30	30
Depth Alongside at MLW Do.	20	-	-	20-25			32	-	-
Usable Berthing Space Do.	80 w/dolph.	-	-	125			230 w/dolphs.	-	-
Width of Apron Do.	Open.			-			Open.		
Height of Deck Above MLW Do.	14			14			14		
Load Capacity per Sq.Ft. (Lbs.)	500			-			500		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	None.	None.	Steel hose handling tower.
RAILWAY CONNECTIONS	None.	None.	One 300-foot, surface track west of State Highway No. 144 serves tank car-loading rack; connects with Consolidated Rail Corp; not in use at time of survey.
HIGHWAY CONNECTIONS	Via terminal road, gravel, 10 feet wide, from State Highway No. 144, concrete, 24 feet wide.	Via terminal road, asphalt, from State Highway No. 144, concrete 24 feet wide.	Same as Ref. No. 56.
WATER SUPPLY (Available to Vessels)	None.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	Hydrants, hose, and hand extinguishers.	Hand extinguishers.	Chemical cart, 2-inch river water line hose, and hand extinguishers.
REMARKS	Seven 6-inch pipelines extend from dock and connect with pipelines described under Ref. No. 54. In addition, one 6-inch ballast line extends to wharf from 16,700-barrel tank described under Ref. No. 54. Wharf also can be used for the receipt of petroleum products by barge.	One 6-inch, ballast, pipeline extends to wharf from storage tank and ballast water pond in rear.	One 12-, two 10-, four 8- and three 6-inch pipelines extend from wharf to 13 storage tanks, total capacity 838,000 barrels.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	58 Dock Code No. 023	59 Dock Code No. 025	60 Dock Code No. 035
NAME	Niagara Mohawk Power Corp. Albany Steamplant Dock.	Agway Petroleum Wharf.	Cibro Petroleum Ship Dock.
LOCATION ON WATERFRONT	Bethlehem, approximately 1 mile above Van Wies Point.	Bethlehem, approximately 750 feet above mouth of Island Creek Diversion Channel.	Albany, approximately 2,900 feet above mouth of Island Creek Diversion Channel.
OWNED BY	Niagara Mohawk Power Corp.	Agway Petroleum Corp.	Albany Port District Commission.
OPERATED BY	do.	do.	Cibro Petroleum Products, Inc.
PURPOSE FOR WHICH USED	Receipt of fuel oil for plant consumption.	Receipt of petroleum products by tanker; receipt and shipment of petroleum products by barge.	Receipt and shipment of asphalt by barge; occasional receipt of asphalt by tanker; receipt of crude oil and petroleum products by barge and tanker.
TYPE OF CONSTRUCTION	Steel pile, concrete-decked offshore wharf with steel deck extensions on each side; fronted by timber fender system; 20-foot wide concrete approach from shore; one steel pile, steel-decked, 30- by 35-foot breasting dolphin (continued under Remarks)	Timber pile, timber-decked, offshore wharf with 70- by 8-foot approach; row of 5 timber pile, triangular-shaped breasting dolphins in line with face.	Concrete bulkhead with concrete-surfaced solid fill; row of 3 rectangular breasting dolphins in line with face; fronted by timber fender system.

DESCRIPTION	58 Face	58 Lower side	58 Upper side	59 Face	59 Lower side	59 Upper side	60 Face	60	60
Dimensions (Feet)	60	27	27	24	12	12	100		
Depth Alongside at MLW Do.	33	-	-	30	-	-	28		
Usable Berthing Space Do.	380 w/dolphs. (See Remarks.)			260 w/dolphs.			280 w/dolphs.		
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	25			11			10		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	Two swivel-jointed unloading arms, each with 35-foot outboard reach.	One A-frame derrick equipped with 2 booms and winch for handling hose.	Two swivel-jointed unloading arms, each with 50-foot outboard reach.
RAILWAY CONNECTIONS	One surface track serving plant in rear connects with Consolidated Rail Corp.	Two 350-foot, surface tracks serve adjacent fertilizer plant of Agway, Inc.; connect with Delaware and Hudson Railroad.	Two surface tracks along north side of property serve tank car-loading rack, capacity 10 cars; connect with Albany Port Railroad Corp. which connects with Delaware and Hudson Railroad.
HIGHWAY CONNECTIONS	Via plant roads, asphalt, from State Highway No. 144, asphalt, 24 feet wide.	Via Cabbage Island Road, asphalt, 20 feet wide from Port of Albany road, asphalt.	Via Port of Albany roads, partly paved, 20 feet wide from South Pearl Street (State Highway No. 32), asphalt.
WATER SUPPLY (Available to Vessels)	Through 8-inch main reduced to 3-inch line on wharf.	None.	Through hose connections on hydrant.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	A.C., 440 volts, 3-phase, 60-cycle.
FIRE PROTECTION (Other than City)	Portable foam and CO_2 carts, hydrants, and watchmen.	Hand extinguishers.	Hydrant and hand extinguishers.
REMARKS	on each side fronted by rubber loop fender system; 5-foot wide steel grating catwalks connect dolphins to shore. One 20-inch pipeline extends from two 10-inch pipeline connections to 3 storage tanks, total capacity 671,660 barrels. In addition, one 4-inch steamline extends to wharf. Wharf can handle vessels up to 780 feet in length.	Three 8-inch pipelines extend from wharf to 6 storage tanks, total capacity 334,310 barrels. Metered pump with 2-inch hose line located on wharf; not in use at time of survey.	Two 10-inch pipelines extend from wharf to 7 asphalt storage tanks, total capacity 193,140 barrels; one 14- and one 12-inch pipelines extend from wharf to 9 fuel oil storage tanks, total capacity 55,180 barrels.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Albany

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	61 Dock Code No. 035	62 Dock Code No. 045	63 Dock Code No. 060
NAME	Cibro Petroleum Barge Dock.	Port of Albany, Berth No. 10.	Port of Albany, Berths Nos. 9, 8, and 7.
LOCATION ON WATERFRONT	Approximately 3,100 feet above mouth of Island Creek Diversion Channel.	Approximately 4,000 feet above mouth of Island Creek Diversion Channel.	Approximately 5,000 feet above mouth of Island Creek Diversion Channel.
OWNED BY	Albany Port District Commission.	Albany Port District Commission.	Albany Port District Commission.
OPERATED BY	Cibro Petroleum Products, Inc.	do.	Albany Port District Commission and National Molasses Co.
PURPOSE FOR WHICH USED	Receipt and shipment of asphalt and petroleum products by barge; receipt of crude oil by barge.	Shipment of scrap metal in foreign trade.	Receipt and shipment of grain; receipt of molasses by tanker and shipment by barge.
TYPE OF CONSTRUCTION	Timber pile, concrete-decked, offshore wharf with 75- by 4-foot timber approach; one timber pile, concrete-capped breasting dolphin on each side and in line with face; connected by timber walkways; one additional timber mooring dolphin located on upper side.	Concrete retaining wall with solid fill on timber relieving platform supported by timber piles.	Concrete retaining wall with solid fill on timber relieving platform supported by timber piles.

DESCRIPTION	Face	Lower side	Upper side	Face	Lower side		Face		
Dimensions (Feet)	20	10	10	300	50		1,270		
Depth Alongside at MLW Do.	28	-	-	30	-		32		
Usable Berthing Space Do.	210 w/dolph.	-	-	300 (See Remarks.)			1,270 (See Remarks.)		
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	10			16.75			16.75		
Load Capacity per Sq.Ft. (Lbs.)	-			1,000			1,000		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									

MECHANICAL HANDLING FACILITIES	None.	Four diesel crawler cranes: one 80-ton with 80-foot boom, one 60-ton with 70-foot boom and extensions up to 140 feet, and two 35-ton with 60-foot booms and extensions to 100 feet with magnets and clamshell buckets. Sand, gravel, and stone is unloaded from rail cars or trucks into receiving hoppers on wharf by use of diesel, crawler cranes with 50- to 75-foot booms and 1- to 2-cubic yard clamshell buckets; hoppers are served by an electric belt-conveyor extending to ready-mix concrete and asphalt mixing plant in rear operated by Albany Asphalt & Aggregates Corp.	One pneumatic unit with 8 grain-unloading hoses at Berth No. 8, total unloading rate 20,000 bushels/hour; not in use. Two conveyor galleries extend from grain elevator to 2 loading units on apron; each unit equipped with 2 surge tanks; south unit, no longer in use, at Berth No. 9 has two 20-inch loading spouts; north unit at Berth No. 7 has two 20- and six 12-inch loading spouts; maximum loading rate 45,000 bushels per hour. Electric grain trimmers supplied by stevedore companies.
RAILWAY CONNECTIONS	Two surface tracks along north side of property serve 10-car capacity tank-car loading rack; connect with Albany Port Railroad Corp., which connects with Delaware and Hudson Railroad.	Albany Port Railroad Corp.: One surface track on apron and one surface track in rear join additional trackage serving Port of Albany Terminal; connect with Consolidated Rail Corp., and Delaware and Hudson Railroad.	Albany Port Railroad Corp.: Two surface tracks on apron join trackage serving grain elevator, feed mill, warehouse, 120-car-holding yard in rear, and additional trackage serving Port of Albany Terminal; connects with Consolidated Rail Corp., and Delaware and Hudson Railroad.
HIGHWAY CONNECTIONS	Via Port of Albany roads, partly paved, from South Pearl Street (State Highway No. 32).	Same as Ref. No. 61.	Same as Ref. No. 61.
WATER SUPPLY (Available to Vessels)	Through hose connections.	Through hose connections.	Through 2½-inch hose line with portable water meter.
ELECTRIC CURRENT (Available to Vessels)	A.C., 440 volts, 3-phase, 60-cycle.	None.	A.C., 110 volts, single-phase, 60-cycle; A.C., 220 volts, 3-phase, 60-cycle.
FIRE PROTECTION (Other than City)	Hydrants and hand extinguishers.	Hydrants, hose, and watchmen.	Same as Ref. No. 62.
REMARKS	Three 10- and two 8-inch pipelines extend to storage tanks described under Ref. No. 60.	Berths Nos. 10 thru 1 (Ref. Nos. 62-68) are in line and contiguous, providing a total of 4,070 feet of continuous berthing space.	Berths Nos. 10 thru 1 (Ref. Nos. 62-68) are in line and contiguous, providing a total of 4,070 feet of continuous berthing space. Cargill, Inc., operates the 13,500,000-bushel grain elevator in rear of Berths Nos. 9 and 8. Feed mill, not in use at time of survey, is connected to grain elevator by electric belt-conveyor and by pipeline to nearby molasses tanks. National Molasses Co.: Two 12-inch pipelines extend from Berth No. 7 to 4 storage tanks at rear, total capacity 4,500,000 gallons.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Albany

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	64 Dock Code No. 060	65 Dock Code No. 060	66 Dock Code No. 070
NAME	Port of Albany, Berths Nos. 6 and 5.	Port of Albany, Berth No. 4.	Port of Albany, Berth No. 3.
LOCATION ON WATERFRONT	Approximately 5,800 feet above mouth of Island Creek Diversion Channel.	Approximately 6,500 feet above mouth of Island Creek Diversion Channel.	Approximately 6,900 feet above mouth of Island Creek Diversion Channel.
OWNED BY	Albany Port District Commission.	Albany Port District Commission.	Albany Port District Commisaion.
OPERATED BY	Albany Port District Commission and Pacific Molasses Co.	do.	Albany Port District Commiasion and United Brands Co.
PURPOSE FOR WHICH USED	Receipt and shipment of general cargo in foreign and domestic trade; receipt of molasses by tanker and shipment by barge.	Receipt and shipment of general cargo in foreign and domestic tradea.	Receipt of bananas in foreign trade.
TYPE OF CONSTRUCTION	Concrete retaining wall with asphalt-surfaced solid fill on timber relieving platform supported by timber piles.	Concrete retaining wall with solid fill on timber relieving platform supported by timber piles.	Concrete pile, concrete-decked wharf.
DESCRIPTION	Face	Face	Face
Dimensions (Feet)	750	425	425
Depth Alongside at MLW Do.	32	32	32
Usable Berthing Space Do.	750	425	425
Width of Apron Do.	45	75	35
Height of Deck Above MLW Do.	16.75	16.75	16.75
Load Capacity per Sq.Ft. (Lbs.)	1,000	1,000	1,000
Lighted or Unlighted	Lighted.	Lighted.	Lighted.
TRANSIT SHEDS	Two - steel frame, metal-covered, concrete floors. (See Remarks.)	One - steel frame, metal-covered, concrete floor.	One - steel frame, metal-covered, concrete floor.
Number and Type of Construction	Shed No. 5 / Shed No. 4	Shed No. 3	Shed No. 2
Length and Width (Feet)	300 by 114 / 400 by 114	440 by 80	400 by 120
Height Inside Do.	23 / 23	14	1st floor, 14; 2d floor, 12
Floor Area for Cargo (Sq.Ft.)	34,200 / 45,000	35,000	96,000, total
Load Capacity per Sq.Ft. (Lbs.)	2,000 / 2,000	2,000	1st floor, 2,000; 2d floor, 400
Cargo Doors	Shipside: seven. Others: eight. / Shipside: nine. Others: ten.	Shipside: ten. Others: eleven.	Shipside: 1st floor, 20; 2d floor, 9 Others: 1st floor, 9
MECHANICAL HANDLING FACILITIES	Steel cargo beams on roof of each transit shed. Stevedoring equipment available aa required.	Stevedoring equipment available as required.	Steel cargo beams on roof of transit shed. One 5-ton, electric, freight elevator inside transit shed. Four electric, traveling, gantry, banana unloaders transfer boxes of bananas from ship's hold to transit shed.
RAILWAY CONNECTIONS	Albany Port Railroad Corp.: Two connecting surface tracks and one additional surface track on apron, and two platform-level tracks along rear of transit sheds join trackage serving 375-car holding yard and molasses tank-car loading racks; connect with Consolidated Rail Corp., and Delaware and Hudson Railroad.	Albany Port Railroad Corp.: Two platform-level tracks along rear of transit sheds join trackage serving 375-car holding yard; connect with Consolidated Rail Corp., and Delaware and Hudson Railroad.	Same as Ref. No. 65.
HIGHWAY CONNECTIONS	Via Port of Albany roads, paved, from South Pearl Street (State Highway No. 32).	Same as Ref. No. 64.	Same as Ref. No. 64.
WATER SUPPLY (Available to Vessels)	Through 2½-inch line.	Same as Ref. No. 64.	Same as Ref. No. 64.
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle; A.C., 220 volts, 3-phase, 60-cycle.	Same as Ref. No. 64.	Same as Ref. No. 64
FIRE PROTECTION (Other than City)	Automatic alarm and sprinkler systems in transit sheds, hydrants, hose, and watchmen.	Same as Ref. No. 64.	Same as Ref. No. 64.
REMARKS	Pacific Molasses Co.: Two 12-inch pipelines extend from Berth No. 6 to 5, molasses storage tanks, total capacity 7,500,000 gallons. Approximately 33 acres of paved open storage area located in rear of transit sheds. One privately operated warehouse located in rear of Transit Shed No. 4. Trucks have access to apron, interiors of transit sheds, and to platform along rear of transit sheds. Transit sheds are separated by a firewall.	Trucks have access to apron, interior of transit shed, and to platform along rear of transit shed.	Trucks have access to apron, interior of transit shed, and to platform along rear of transit shed.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Albany

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	67 Dock Code No. 072	68 Dock Code No. 074	69 Dock Code No. 080
NAME	Port of Albany Berth 2.	Port of Albany Berth 1.	Port of Albany Small Boat Mooring Wharf.
LOCATION ON WATERFRONT	Approximately 7,200 feet above mouth of Island Creek Diversion Channel.	Approximately 7,700 feet above mouth of Island Creek Diversion Channel.	Approximately 8,000 feet above mouth of Island Creek Diversion Channel.
OWNED BY	Albany Port District Commission.	Albany Port District Commission.	Albany Port District Commission.
OPERATED BY	do.	do.	U.S. Coast Guard and Albany Port District Commission.
PURPOSE FOR WHICH USED	Receipt and shipment of general cargo in foreign and domestic trades; receipt of automobiles in foreign trade.	Receipt and shipment of general cargo in foreign and domestic trades; receipt of automobiles in foreign trade.	Mooring Coast Guard small vessels.
TYPE OF CONSTRUCTION	Concrete pile, concrete-decked wharf.	Concrete pile, concrete-decked wharf.	Timber float, moored to timber pile cluster dolphin, partially fronts face of Berth 1; access is by 36- by 4-foot steel ramp from north side of Berth 1.
DESCRIPTION	Face	Face	Face / Lower side / Upper side
Dimensions (Feet)	300	600	80 / 13 / 13
Depth Alongside at MLW Do.	32	32	32 / 32 / 32
Usable Berthing Space Do.	300	600	80 / - / -
Width of Apron Do.	Open.	35	13
Reight of Deck Above MLW Do.	16.75	16.75	1.7
Load Capacity per Sq.Ft. (Lbs.)	1,000	1,000	-
Lighted or Unlighted	Lighted.	Lighted.	Lighted
TRANSIT SHEDS	None.	Steel frame, metal-covered, concrete floor.	None.
Number and Type of Construction		Shed No. 1	
Length and Width (Feet)		500 by 120	
Height Inside Do.		14	
Floor Area for Cargo (Sq.Ft.)		60,000	
Load Capacity per Sq.Ft. (Lbs.)		2,000	
Cargo Doors		Shipside: 12 Others: 16	
MECHANICAL HANDLING FACILITIES	Stevedoring equipment available as required.	Same as Ref. No. 67.	None.
RAILWAY CONNECTIONS	Albany Port Railroad Corp.: One curving, surface track extending from 375-car-yard in rear; connects with Consolidated Rail Corp., and Delaware and Hudson Railroad.	Albany Port Railroad Corp.: Two platform-level tracks along rear of transit shed join trackage extending from 375-car-holding yard; connect with Consolidated Rail Corp., and Delaware and Hudson Railroad.	None.
RIGHWAY CONNECTIONS	Via Port of Albany roads, paved, from South Pearl Street (State Highway No. 32).	Same as Ref. No. 67.	Same as Ref. No. 67.
WATER SUPPLY (Available to Vessels)	Through 2½-inch line.	Same as Ref. No. 67.	Same as Ref. No. 67.
ELECTRIC CURRENT (Available to Vessels)	None.	A.C., 110 volts, single-phase, 60-cycle; A.C., 220 volts, 3-phase, 60-cycle.	Same as Ref. No. 68.
FIRE PROTECTION (Other than City)	Hydrants, hose, and watchmen.	Automatic alarm and sprinkler systems in transit sheds. Hydrants, hose, and watchmen.	Hydrants, hose, hand extinguishers, and watchmen.
REMARKS	Berths 10-1 (Ref. Nos. 62-68) are in line and contiguous, providing a total of 4,070 feet of continuous berthing space.	Port of Albany Storage Warehouse "A" located in rear of transit shed (S.W. Ref. No. 1). The nearby Delaware and Hudson Railroad's 1,102-car-capacity Kenwood Storage Yard connects with tracks serving Port of Albany Terminal.	Float is removed during winter to prevent damage from ice.

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River, Albany

Corps of Engineers Port Code No. 03130

REFERENCE NUMBER ON MAP NO. 2	70 Dock Code No. 090			71 Dock Code No. 092			72 Dock Code No. 094		
NAME	Mobil Oil Corp. Ship Dock.			Mobil Oil Corp. Lower Barge Dock.			Mobil Oil Corp. Asphalt Plant Wharf.		
LOCATION ON WATERFRONT	Approximately 1.1 miles below Parker Dunn Memorial Bridge.			Approximately 1 mile below Parker Dunn Memorial Bridge.			Approximately 0.8 mile below Parker Dunn Memorial Bridge.		
OWNED BY	Mobil Oil Corp.			Mobil Oil Corp.			Mobil Oil Corp.		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by tanker and barge.			Receipt and shipment of petroleum products by barge; fueling small vessels.			Receipt and shipment of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel pile, concrete-decked, offshore wharf with steel approach to lower end; one steel pile, concrete-decked mooring platform on lower side, and one steel sheet pile, cellular breasting dolphin on upper side, each connected to shore by steel catwalk approaches; fronted by rubber loop fenders.			Concrete retaining wall with solid fill on concrete relieving platform supported by timber piles; fronted by rubber fenders.			Steel sheet pile bulkhead with solid fill.		
DESCRIPTION	Face	Lower side	Upper side	Face			Face	Lower side	Upper side
Dimensions (Feet)	50	25	25	460			100, approx.	25	55
Depth Alongside at MLW Do.	29	-	-	16			10-12	-	-
Usable Berthing Space Do.	200 w/dolphs	-	-	460			100, approx.	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	16			12			12		
Load Capacity per Sq.Ft. (Lbs.)	500			1,000			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Steel hose-handling tower on wharf.			None.			None.		
RAILWAY CONNECTIONS	Plant trackage in rear serves tank-car loading racks and company warehouses; connects with Delaware and Hudson Railroad's 1,100-car-capacity Kenwood Storage Yard at rear of property.			Same as Ref. No. 70.			Same as Ref. No. 70.		
HIGHWAY CONNECTIONS	Via terminal roads, from Church Street, concrete, 18 feet wide, from Broadway.			Same as Ref. No. 70.			Same as Ref. No. 70.		
WATER SUPPLY (Available to Vessels)	Through one 2-inch line.			Through 1½- and 2-inch hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Foam generator and foam system, chemical cart, hydrants, hand extinguishers, plant fire department, and watchmen.			Same as Ref. No. 70.			Same as Ref. No. 70.		
REMARKS	One 16-, four 12-, and one 10-inch pipelines extend from wharf to 29 storage tanks, total capacity 1,936,180 barrels. An additional 46 storage tanks at terminal, total capacity 263,820 barrels, are not connected to the wharf.			Five 10- and two 6-inch pipelines extend from wharf to storage tanks described under Ref. No. 70. Diesel fuel is supplied to small vessels through a 2-inch hose and meter from one 6-inch pipeline extending from a 95,238-barrel tank.			One 8- and four 6-inch pipelines extend from wharf to storage tanks described under Ref. No. 70. In addition, one 6-inch steamline and one 6-inch ballast line extend to wharf from plant in rear.		

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No.	03130						03142		
REFERENCE NUMBER ON MAP NO. 2	73 Dock Code No. 096			74 Dock Code No. 100			75 Dock Code No. 010		
NAME	Mobil Oil Corp. Marine Lift Dock.			City Wharf.			J. R. Sousa and Sons.		
LOCATION ON WATERFRONT	Albany, approximately 4,000 feet below Parker Dunn Memorial Bridge.			Albany, approximately 0.1 mile below the Parker Dunn Memorial Bridge.			Green Island, south end of Center Island.		
OWNED BY	Mobil Oil Corp.			City of Albany.			J. R. Sousa and Sons, Inc.		
OPERATED BY	do.			do.			do.		
PURPOSE FOR WHICH USED	Launching pollution control boat.			Occasional mooring of tugs, barges, excursion boats, and other small vessels.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel sheet pile bulkhead with concrete-surfaced solid fill supporting stationary small boat lift.			Concrete bulkhead with asphalt-surfaced solid fill.			Steel barge permanently moored to 2 steel dolphins with steel catwalk approach.		
DESCRIPTION	Face	Lower side	Upper side	Face	Lower side		Face	Lower side	Upper side
Dimensions (Feet)	20	15	15	380	10		60	30	30
Depth Alongside at MLW Do.	15	-	-	0-10	-		10	-	-
Usable Berthing Space Do.	-	-	-	380	-		60	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	12			12			5		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Stationary small boat lift.			None.			Steel hose-handling tower.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via terminal roads from Church Street, concrete, 18 feet wide, from Broadway.			Via Broadway, concrete, 36 feet wide, from Interstate Highway No. 787, concrete, dual lane.			Via terminal roads, from Osgood Avenue, concrete and asphalt, from Interstate Highway No. 787, concrete, dual lane.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			A. C., 110 volts, single-phase, 60-cycle; A. C., 220 volts, 3-phase, 60-cycle.		
FIRE PROTECTION (Other than City)	None.			Hydrants.			Chemical cart and hand extinguishers.		
REMARKS				-			Two 8-inch pipelines extend across west channel to 13 storage tanks on Green Island, total capacity 285,710 barrels.		

PIERS, WHARVES, AND DOCKS

Right bank, Hudson River

Corps of Engineers Port Code No. 03142							03145		
REFERENCE NUMBER ON MAP NO. 2	76 Dock Code No. 020			77 Dock Code No. 015			78 Dock Code No. 020		
NAME	Tenneco Dock.			King Service Green Island Plant Dock.			Ashton Fuel Dock.		
LOCATION ON WATERFRONT	Green Island, approximately 1,000 feet above lower end of Center Island.			Green Island, approximately 1,400 feet above lower end of Center Island.			Cohoes, approximately 0.1 mile below Troy-Cohoes (State Highway No. 470) Bridge.		
OWNED BY	Tenneco Oil Co., Division of Tenneco, Inc.			King Service, Inc.			Nervene Inc.		
OPERATED BY	do.			do.			Not operated.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Not used.		
TYPE OF CONSTRUCTION	Floating steel barge connected to shore by timber catwalk; fronted by rubber tire fenders.			Natural bank.			Two cylindrical, concrete breasting dolphins; lower dolphin connected to shore by timber pile, timber-decked approach.		
DESCRIPTION	Face	Lower side	Upper side	Bank			Breasting dolphins		
Dimensions (Feet)	48	22	22	20			138		
Depth Alongside at MLW Do.	8	-	-	13			13		
Usable Berthing Space Do.	48	-	-	-			138		
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	4			-			6		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			One electric mast-and-boom derrick with 25-foot boom for handling hose.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via terminal road, asphalt, from Osgood Avenue, concrete and asphalt, from Interstate Highwsy No. 787, concrete, dual lane.			Same as Ref. No. 76.			Via terminal roads, from Delsware Avenue, asphalt, 20 feet wide, from Ontario Street, State Highway No. 470, asphalt, 35 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Chemical cart and hand extinguishers.			Hydrant and hand extinguishers.			None.		
REMARKS	Three 6-inch pipelines extend from wharf to 16 storage tanks, total capacity 199,000 barrels.			Two 8-inch pipelines extend from wharf to 4 storage tanks, total capacity 95,240 barrels.			Dock was formerly used for receipt of petroleum products by barge. Two storage tanks, total capacity 36,190 barrels, located in rear. A 6-inch pipeline extending from dock to one of the tanks has been removed.		

Corps of Engineers Port Code No. 03145							03143		
REFERENCE NUMBER ON MAP NO. 2	79 Dock Code No. 030			80 Dock Code No. 050			81 Dock Code No. 906		
NAME	Norlite Corp. Barge Wharf.			Matton Shipyard Dock.			Corps of Engineers Wharf.		
LOCATION ON WATERFRONT	Cohoes, right bank, approximately 0.4 mile above Troy-Cohoes Bridge.			Cohoes, right bank, approximately 0.5 mile above Troy-Cohoes Bridge.			Troy, NY, at Hudson River Lock.		
OWNED BY	State of New York, Office of Ceneral Services.			Matton Shipyard Co., Inc., subsidiary of Turecamo Coastal & Harbor Towing Corp.			U.S. Covernment.		
OPERATED BY	Norlite Corp.			do.			Corps of Engineers.		
PURPOSE FOR WHICH USED	Shipment of crushed stone by barge.			Mooring vessels for repair and outfitting.			Mooring U.S. Covernment vessels.		
TYPE OF CONSTRUCTION	Concrete bulkhead with solid fill.			Steel sheet pile retaining wall with solid fill.			Concrete bulkhead with solid fill.		
DESCRIPTION	Face			Face	Lower side	Upper side	Face	Lower side	
Dimensions (Feet)	340			45	70	70	230	60	
Depth Alongside at MLW Do.	11			8	4-8	0-8	11	14	
Usable Berthing Space Do.	340			45	70	-	230	60	
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	7			10			10		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Unlighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One 36-inch, electric belt-conveyor with 10- to 20-foot outboard reach, extending from wheeled hopper; loading rate 260 tons per hour.			One 13-ton, diesel crawler crane with with 30-foot boom and one 7-ton diesel mobile crane.			One 25-ton, gasoline, mobile crane with 80-foot, hydraulic, telescopic boom.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via road, gravel, from Delaware Avenue, asphalt, 15 feet wide, from Ontario Street (State Highway No. 470), asphalt, 35 feet wide.			Via plant road, gravel, from Oelaware Avenue, asphalt, 15 feet wide, from Ontario Street (State Highway No. 470), asphalt, 35 feet wide.			Via facility roads, asphalt, from Bond Street, asphalt, 18 feet wide, from River Street (U.S. Highway No. 4), asphalt, 40 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			Through hose connections.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 110 volts, single-phase, 60-cycle.			A.C., 110 volts, single-phase, 60-cycle; A.C., 220 volts, 3-phase, 60-cycle.			Same as Ref. No. 80.		
FIRE PROTECTION (Other than City)	None.			Hand extinguishers.			Hydrant.		
REMARKS				Marine repair plant in rear; side launchway located above wharf.			Corps of Engineers Area Office located at rear.		

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River, Troy

Corps of Engineers Port Code No. 03141

REFERENCE NUMBER ON MAP NO. 2	82 Dock Code No. 040	83 Dock Code No. 055	84 Dock Code No. 010
NAME	Clemente-Latham Dock.	King Service South Troy Plant Dock.	Chevron U.S.A. Troy Terminal Dock.
LOCATION ON WATERFRONT	Approximately 1,800 feet below Troy-Congress Street Bridge.	Approximately 750 feet above Troy-Menands Bridge.	Approximately 700 feet above Troy-Menands Bridge.
OWNED BY	Clemente-Latham Concrete Corp.	King Service, Inc.	King Service, Inc.
OPERATED BY	do.	do.	Chevron U.S.A., Inc.
PURPOSE FOR WHICH USED	Receipt of sand and stone by barge.	Receipt of petroleum products by barge.	Receipt of asphalt by barge.
TYPE OF CONSTRUCTION	Concrete bulkhead with solid fill.	Timber pile, timber-decked offshore wharf; 3 steel sheet pile, cellular, breasting dolphins in line with face connected by catwalks; dolphins are shared with Ref. No. 84.	Timber pile, timber-decked offshore wharf with 114- by 5-foot timber approach; 3 steel sheet pile, cellular breasting dolphins in line with face, dolphins are shared with Ref. No. 83.

DESCRIPTION	Face			Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	250			15	35	15+20	15	15	15
Depth Alongside at MLW Do.	10			15	-	-	14	-	-
Usable Berthing Space Do.	250			148 w/dolphs	-	-	148 w/dolphs	-	-
Width of Apron Do.	20			Open.			Open.		
Height of Deck Above MLW Do.	9			15			15		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Unlighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	One 50-ton diesel, crawler crane with 60-foot boom and 1-cubic yard bucket.	Boat lift located at rear of wharf for launching small pollution control boat.	None.
RAILWAY CONNECTIONS	One surface track in rear of plant connects with tracks of Boston and Maine Corp.	One surface track in rear connects with Consolidated Rail Corp.	One surface track in rear of plant connects with Consolidated Rail Corp.
HIGHWAY CONNECTIONS	Via plant road, gravel, from Washington Street, asphalt, 30 feet wide, from Second Street (U.S. Highway No. 4), asphalt, 36 feet wide.	Via plant road, gravel, from Main Street, asphalt, from U.S. Highway No. 4, asphalt.	Same as Ref. No. 83.
WATER SUPPLY (Available to Vessels)	None.	Through hose connections.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	A.C., 110 volts, single-phase, 60-cycle; A.C., 220 volts, 3-phase, 60-cycle.	A.C., 110 volts, single-phase, 60-cycle.
FIRE PROTECTION (Other than City)	None.	Plant fire department, hydrant, river water pumps, and hand extinguishers.	Chemical cart and hand extinguishers.
REMARKS	Ready-mix concrete plant located at rear.	Two 8- and one 6-inch pipelines extend from wharf to 7 storage tanks, total capacity 190,480 barrels. Wharf is connected to Ref. No. 84 by timber catwalk.	One 10-inch pipeline extends from wharf to 8 storage tanks located below Troy-Menands Bridge, total capacity 106,000 barrels. Wharf is connected to Ref. No. 83 by timber catwalk.

PIERS, WHARVES, AND DOCKS
Left bank, Hudson River, Rensselaer

Corps of Engineers Port Code No. 03135

REFERENCE NUMBER ON MAP NO. 2	85 Dock Code No. 065			86 Dock Code No. 055			87 Dock Code No. 052		
NAME	Port of Albany Lumber Terminal Wharf.			Bray Terminals Wharf.			Shell Oil Co. North Dock.		
LOCATION ON WATERFRONT	Above turning basin.			Approximately 1,000 feet below turning basin.			Approximately 0.2 mile below turning basin.		
OWNED BY	Albany Port District Commission.			Bray Terminals, Inc.			Shell Oil Company.		
OPERATED BY	Albany Port District Commission and Ashland Oil Co.			Bray Terminals, Inc. and Getty Refining and Marketing Company.			do.		
PURPOSE FOR WHICH USED	Receipt of lumber and occasional receipt of caustic soda by barge; mooring tugs.			Receipt and occasional shipment of petroleum products by barge.			Receipt and shipment of petroleum products by barge.		
TYPE OF CONSTRUCTION	South 605-foot portion: Concrete deck supported by cellular concrete caissons. (See Remarks.) North 600-foot portion: Concrete retaining wall with asphalt-surfaced, solid fill, on timber relieving platform supported by timber piles.			Timber pile, timber decked offshore wharf with 110- by 10-foot approach and pipeline trestle; 2 timber and 4 steel H-pile mooring dolphins in line with face.			Timber pile, 15-foot wide, timber-decked pier extending at angle from steel sheet pile bulkhead with solid fill; row of timber pile, mooring dolphins in line with face.		
DESCRIPTION	Face			Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	1,205			60	25	25	19	35	35
Depth Alongside at MLW Do.	32			23.5	-	-	14	-	-
Usable Berthing Space Do.	1,205			250 w/dolphs.	-	-	100 w/dolphs.	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	16.5			12			7		
Load Capacity per Sq.Ft. (Lbs.)	500			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	Seven steel cargo masts in rear of north 600-foot portion of wharf, not in use at time of survey. Lumber and stevedore companies supply straddle trucks, fork lift trucks, and other mechanized equipment as required.			Two hand-operated mast and boom derricks for handling hose.			Boat lift on lower side of pier for pollution control boat.		
RAILWAY CONNECTIONS	Albany Port Railroad Corp.: trackage in rear serves open, lumber storage area and warehouses; connects with Consolidated Rail Corp. Two surface tracks on apron were not connected to other trackage at time of survey.			One unused surface track on north side of property serves tank carloading rack; connects with Consolidated Rail Corp.			None.		
HIGHWAY CONNECTIONS	Via Port of Albany roads from Riverside Avenue, concrete, 18 feet wide.			Via terminal road from Riverside Avenue, concrete, 18 feet wide.			Same as Ref. No. 86.		
WATER SUPPLY (Available to Vessels)	None.			Through one 3-inch line.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			A.C., 110 volts, single-phase, 60-cycle.			None.		
FIRE PROTECTION (Other than City)	Hydrants, hose, hand extinguishers, and watchmen.			Foam trailer, hose, waterline, and hand extinguishers.			Same as Ref. No. 86.		
REMARKS	South portion of wharf was under construction at time of survey, to be completed in 1980. Twenty acres of open lumber storage area and 3 warehouses for private storage of lumber located in rear; combined floor area of warehouses is approximately 43,000 square feet. Ashland Oil Co.: Receipt of caustic soda through one 4-inch pipeline extending to one 500,000-gallon storage tank.			Bray Terminals, Inc.: Four 10- and two 8-inch pipelines extend from wharf and join with additional pipelines located along riverbank in rear which serve 10 storage tanks, total capacity 381,500 barrels. Getty Refining and Marketing Company: One 12-inch pipeline extends to 7 storage tanks, total capacity 264,330 barrels.			Four 8- and two 6-inch pipelines extend from pier to 21 storage tanks described under Ref. No. 88.		

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River

Corps of Engineers Port Code No. 03135

REFERENCE NUMBER ON MAP NO. 2	88 Dock Code No. 050			89 Dock Code No. 040			90 Dock Code No. 035		
NAME	Shell Oil Co., Rensselaer Terminal South Dock.			Atlantic Richfield Co., Rensselaer Wharf.			Metropolitan Petroleum Co., Barge Wharf.		
LOCATION ON WATERFRONT	Rensselaer, approximately 0.3 mile below turning basin.			Renaselaer, approximately 0.4 mile below turning basin.			East Greenbush, approximately 0.5 mile below turning basin.		
OWNED BY	Shell Oil Co.			Atlantic Richfield Co.			Metropolitan Petroleum Co., Inc.		
OPERATED BY	Shell Oil Co. and Gulf Oil Co.-U.S.			Atlantic Richfield Co. and Gulf Oil Co. -U.S.			do.		
PURPOSE FOR WHICH USED	Receipt and shipment of petroleum products by barge.			Receipt of petroleum products by tanker and barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked pier extending from steel sheet pile bulkhead with solid fill; row of timber mooring dolphins at angle to face.			Steel pile, concrete-decked, offshore wharf with 107- by 12-foot approach and pipeline trestle; 7 steel pile, timber-decked, rectangular-shaped, mooring dolphins connected by steel catwalks in line with face; rubber loop fender system.			Timber pile, timber-decked, offshore wharf with 160- by 18-foot approach and pipeline trestle; timber mooring dolphins on each side connected by catwalks in line with face.		
DESCRIPTION	Face	Upper side	Lower side	Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	14	30	30	110	30	30	30	18	18
Depth Alongside at MLW Do.	14	-	-	33	-	-	12	-	-
Usable Berthing Space Do.	100 w/dolphs	-	-	295 w/dolphs	-	-	180 w/dolphs	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	7			11			11		
Load Capacity per Sq.Ft. (Lbs.)	-			500			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			One electric, stiff-leg derrick with twin booms for handling hose.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via plant road from Riverside Avenue, concrete, 18 feet wide.			Via plant road, asphalt, 15 feet wide, from Riverside Avenue, concrete, 18 feet wide.			Same as Ref. No. 89.		
WATER SUPPLY (Available to Vessels)	None.			Through one 2-inch line.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Hydrants, hose, and hand extinguishers.			Hose reels and hand extinguishers.			Hand extinguishers.		
REMARKS	Shell Oil Co.: Two 8- and two 6-inch pipelines extend from pier to 21 storage tanks, total capacity 638,010 barrels. Gulf Oil Co.-U.S.: Five 8-inch pipelines extend from pier to 19 storage tanks described under Ref. No. 89.			Atlantic Richfield Co.: One 16/14-, one 10-, and five 8-inch pipelines extend from wharf to 14 storage tanks, total capacity 630,000 barrels. Gulf Oil Co.-U.S.: One 16- and three 12-inch pipelines continuing as three 8-inch pipelines, extend from wharf to 19 storage tanks, total capacity 805,870 barrels.			Two 10- and one 8-inch pipelines (each with one 6-inch hose connection) extend from wharf to 6 storage tanks in rear, total capacity 651,000 barrels.		

PIERS, WHARVES, AND DOCKS
Left bank, Hudson River

Corps of Engineers Port Code No.	03135						03098		
REFERENCE NUMBER ON MAP NO. 2	91 Dock Code No. 032			92 Dock Code No. 020			93 Dock Code No. 410		
NAME	Amerada Hess Corp. Wharf.			Amoco Oil Co. Dock.			Shotmeyer Oil Corp. Dock.		
LOCATION ON WATERFRONT	East Greenbush, approximately 0.8 mile below turning basin.			East Greenbush, approximately 2 miles below turning basin.			Hudson, approximately 3.5 miles above Rip Van Winkle Bridge.		
OWNED BY	Amerada Hess Corp.			Amoco Oil Co.			Shotmeyer Oil Corp.		
OPERATED BY	Amerada Hess Corp. and Sunmark Industries, Division of Sun Co. of Pennsylvania.			do.			do.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by tanker and barge; occasional shipment by barge.			Receipt of petroleum products by tanker; shipment by barge.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel H-pile, concrete-decked, offshore wharf with 100- by 25-foot timber approach; one rectangular-shaped, steel H-pile, steel-decked breasting dolphin located on each side in line with face; fronted by rubber tire fender system.			Steel pile, concrete-decked, L-shaped, offshore wharf with 275- by 4-foot approach; row of 4 timber breasting dolphins in line with face.			Timber pile and concrete caisson-supported, timber-decked, L-shaped wharf; 3 timber breasting dolphins in line with face.		
DESCRIPTION	Face	Upper side	Lower side	Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	60	25	25	45	45	25	20	20	10
Depth Alongside at MLW Do.	30	-	-	34	-	-	10	-	-
Usable Berthing Space Do.	240w/dolphs.	-	-	180w/dolphs.	-	-	180 w/dolphs.	-	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	8			12			3		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	One mast-and-boom derrick for handling hose.			One mast-and-boom derrick for handling hose.			None.		
RAILWAY CONNECTIONS	One surface track serves 3-car-capacity, tank-car loading rack at Sunmark Industries terminal approximately ½ mile inland; connects with Consolidated Rail Corp.			None.			None.		
HIGHWAY CONNECTIONS	Via driveway from River Road, asphalt, 20 feet wide.			Via terminal road from River Road, asphalt, 20 feet wide.			Via terminal roads, gravel, from Water Street, asphalt, 20 feet wide, from State Highway No. 9G, asphalt, 30 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Steam line and hand extinguishers.			Foam system, hydrants, hose reels, fog nozzles, and hand extinguishers.			Hand extinguishers.		
REMARKS	Amerada Hess Corp.: Two 10- and one 8-inch pipelines extend from wharf to 14 storage tanks, total capacity 875,000 barrels. Sunmark Industries: Two 12-inch pipelines extend from wharf and connect with two 8-inch pipelines extending to 5 storage tanks located approximately ½ mile in rear, total capacity 170,610 barrels.			Three 10-, one 8-, and one 6-inch pipelines extend from wharf to 12 storage tanks, total capacity 401,000 barrels.			Three 6-inch pipelines extend from wharf to 10 storage tanks, total capacity 92,850.		

PIERS, WHARVES, AND DOCKS
Left bank, Hudson River, Poughkeepsie

Corps of Engineers Port Code No. 03052

REFERENCE NUMBER ON MAP NO. 1	94 Dock Code No. 702	95 Dock Code No. 692	96 Dock Code No. 690
NAME	A.C. Dutton Dock.	Spoor-Lasher Dock.	Sousa Poughkeepsie Terminal Dock.
LOCATION ON WATERFRONT	Approximately 1 mile above Mid-Hudson Bridge.	Approximately 1 mile below Mid-Hudson Bridge.	Approximately 1.2 miles below Mid-Hudson Bridge.
OWNED BY	A.C. Dutton Lumber Corp.	Spoor-Lasher Co., Inc.	J.R. Sousa & Sons, Inc.
OPERATED BY	Not operated.	Spoor-Lasher Co., Inc.; Effron Dil Corp.; P.S. Potter & Sons, Inc.; and Amerada Hess Corp.	do.
PURPOSE FOR WHICH USED	Not used.	Receipt of petroleum products by barge; receipt of sand by barge.	Receipt of petroleum products by barge.
TYPE OF CONSTRUCTION	Timber pile, timber-decked wharf extending from timber bulkhead with solid fill.	Timber bulkhead with solid fill.	Timber pile, timber-decked offshore wharf with 60- by 6-foot approach; 3 timber breasting dolphins on each side in line with face.

DESCRIPTION	94 Face	94 Upper side	94	95 Face	95 Upper side	95	96 Face	96 Upper side	96 Lower side
Dimensions (Feet)	450	75		345	15		25	15	15
Depth Alongside at MLW Do.	32	-		13	-		40	-	-
Usable Berthing Space Do.	450	-		345	-		150 w/dolphs.	-	-
Width of Apron Do.	Dpen.			Dpen.			Dpen.		
Height of Deck Above MLW Do.	10			10			10		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	None.	Spoor-Lasher Co., Inc.: Cranes equipped with clamshell buckets available as required.	None.
RAILWAY CONNECTIONS	One surface track at rear of wharf connects with Consolidated Rail Corp.	None.	None.
HIGHWAY CONNECTIONS	Via plant road, asphalt, from Ducheas Avenue, concrete and asphalt, 36 feet wide, from Water Street, asphalt, 20 feet wide.	Via plant road, from Prospect Street, asphalt, 12-24 feet wide, from U.S. Highway No. 9, concrete, dual lane.	Same as Ref. No. 95.
WATER SUPPLY (Available to Vessels)	None.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	Hydrants.	Chemical carts and hand extinguishers.	Foam system and hand extinguishers.
REMARKS	Wharf was formerly used for receipt of lumber.	Effron Dil Corp.: One 10-, one 8-, and one 6-inch pipelines extend from upper end of wharf to 11 storage tanks, total capacity 287,000 barrels. P.S. Potter & Sons, Inc.: Two 6-inch pipelines extend from lower end of wharf to 4 storage tanks, total capacity 30,000 barrels. Amerada Hess Corp.: Four 6-inch pipelines extend from lower end of wharf to 17 storage tanks, total capacity 220,000 barrels. Pollution control boat moors at timber float located 350 feet above wharf.	Two 6- and one 4-inch pipelines extend to 10 storage tanks, total capacity 23,810 barrels.

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River

Corps of Engineers Port Code No.	03046	03044	03037
REFERENCE NUMBER ON MAP NO. 1	97 Dock Code No. 102	98 Dock Code No. 001	99 Dock Code No. 101
NAME	Lone Star Industries Clinton Point Plant Oock.	Beacon Gas & Oil Co. Dock.	Garret Storm Oock.
LOCATION ON WATERFRONT	Clinton Point.	New Hamburg, approximately 1,800 feet above Wappinger Creek.	Beacon, approximately 1 mile below Newburgh-Beacon Bridge.
OWNED BY	New York Trap Rock Corp., subsidiary of Lone Star Industries, Inc.	Beacon Gas & Oil Co.	Garret Storm, Inc.
OPERATED BY	do.	do.	do.
PURPOSE FOR WHICH USED	Shipment of dolomite by barge.	Receipt of petroleum products by barge.	Receipt of petroleum products by barge.
TYPE OF CONSTRUCTION	Concrete bulkhead with solid fill; steel pile, timber-decked catwalks extend from each side parallel with bank in rear; all fronted by steel fender dolphins.	Timber bulkhead with solid fill.	Timber bulkhead with solid fill.
DESCRIPTION	Face	Face	Face
Dimensions (Feet)	425+60+500	230	240
Depth Alongside at MLW Do.	19-20	12	5
Usable Berthing Space Do.	925	230	220
Width of Apron Do.	60	Open.	Open.
Height of Deck Above MLW Do.	12	8	6
Load Capacity per Sq.Ft. (Lbs.)	-	-	-
Lighted or Unlighted	Lighted.	Unlighted.	Lighted.
TRANSIT SHEDS	None.	None.	None.
Number and Type of Construction			
Length and Width (Feet)			
Height Inside Do.			
Floor Area for Cargo (Sq.Ft.)			
Load Capacity per Sq.Ft. (Lbs.)			
Cargo Doors			
MECHANICAL HANDLING FACILITIES	One 48-inch, electric belt-conveyor extends to bulkhead from processing plant in rear, dolomite is dropped into barges from rotating boom and chute with 50-foot outboard reach; rate 1,000 tons per hour. One electric winch is located on bulkhead for positioning barges.	None.	None.
RAILWAY CONNECTIONS	None.	None.	None.
HIGHWAY CONNECTIONS	Via plant roads, part asphalt and part unpaved, 24 feet wide, from Sheafe Road, asphalt, 24 feet wide.	Via plant road, gravel, from Point and Main Streets, each asphalt, 24 feet wide.	Via plant roads from Ferry Street, asphalt, 24 feet wide.
WATER SUPPLY (Available to Vessels)	None.	None.	None.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	Hand extinguishers.	Hand extinguishers.	Hand extinguishers.
REMARKS	Stone quarry and processing plant located in rear. Empty barges are moored along lower 425 feet of wharf; filled at center 130 feet of wharf along concrete retaining wall; loaded barges are assembled for towing along upper 370 feet of wharf.	One 6-inch line extends from wharf to 4 storage tanks, total capacity 38,540 barrels.	One 6-inch pipeline extends from bulkhead to 10 storage tanks, total capacity 57,570 barrels.

PIERS, WHARVES, AND DOCKS
Left bank, Hudson River

Corps of Engineers Port Code No.	03030			03020					
REFERENCE NUMBER ON MAP NO. 1	100 Dock Code No. 015			101 Dock Code No. 015			102 Dock Code No. 136		
NAME	Smith Oil Co. Dock.			Exxon Co., U.S.A. Bulk Plant No. 3051 Dock.			Standard Brands Dock.		
LOCATION ON WATERFRONT	Cold Spring, approximately 1 mile below Little Stony Point.			Peekskill, at north end of Peekskill Bay.			Peekskill, Charles Point.		
OWNED BY	Smith Oil Co.			Exxon Co., U.S.A.			Standard Brands, Inc.		
OPERATED BY	do.			do.			Not operated.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Not used.		
TYPE OF CONSTRUCTION	Pier formed by timber retaining walls with solid fill.			Timber pile, timber-decked offshore wharf with 190- by 4-foot approach; 2 timber breasting dolphins on each side and in line with face.			Timber pile, timber-decked pier; row of timber breasting dolphins along upper side and 2 off-face at angle to lower side; pier width varies from 4 to 9 feet.		
DESCRIPTION	Face	Upper side	Lower side	Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	100	400 approx.	430 approx.	20	17	17	4	600	600
Depth Alongside at MLW Do.	9	2-9	0-9	14	-	-	33	33	-
Usable Berthing Space Do.	100	-	-	150 w/dolphs.	-	-	-	600	-
Width of Apron Do.	Open.			Open.			Open.		
Height of Deck Above MLW Do.	5			8			11		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			Plant trackage at rear connects with Consolidated Rail Corp.		
HIGHWAY CONNECTIONS	Via plant road, asphalt, from Market Street, asphalt, 20 feet wide, from Main Street (State Highway No. 301), concrete, 30 feet wide.			Via plant road, asphalt, from Roa Hook Road, asphalt, 16 feet wide, from U.S. Highway No. 6, asphalt, 24 feet wide.			Via plant roads from Bleakely Avenue, asphalt, 50 feet wide, from U.S. Highway No. 9, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	None.			Hand extinguishers.			None.		
REMARKS	One 8-inch pipeline extends to 3 storage tanks, total capacity 10,710 barrels.			Two 6-inch pipelines extend from wharf to 6 storage tanks located on opposite side of railroad tracks, total capacity 110,000 barrels.			One 6-, one 4-, and one 3-inch pipelines extend from pier to storage tanks in plant; formerly used for receipt of molasses and fuel oil. At time of survey plant was closed and most of the buildings had been torn down. A vinegar plant 800 feet in rear was still in operation.		

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River

Corps of Engineers Port Code No.	03019						03016		
REFERENCE NUMBER ON MAP NO. 1	103 Dock Code No. 202			104 Dock Code No. 300			105 Dock Code No.051		
NAME	Consolidated Edison Co. Indian Point Station Dock.			Georgia Pacific Corp. Unloading Dock.			Keefe Dock.		
LOCATION ON WATERFRONT	Buchanan, Indian Point.			Buchanan, approximately 1 mile below Indian Point.			Verplanck, approximately 2,300 feet above Verplanck Point.		
OWNED BY	Consolidated Edison Co. of New York, Inc.			Georgia Pacific Corp.			Ferry Slip Inc.		
OPERATED BY	do.			Georgia Pacific Corp., Gypsum Division.			Peter J. Keefe.		
PURPOSE FOR WHICH USED	Receipt of fuel oil for plant consumption by barge; occasional mooring of personnel barge.			Receipt of gypsum rock by self-unloading vessel.			Receipt of petroleum products by barge.		
TYPE OF CONSTRUCTION	Steel pile, concrete-decked wharf fronted by timber fenders. Timber, L-shaped float at lower side used for mooring small, environmental monitoring boat.			Steel pile, concrete-decked, offshore wharf with steel conveyor/walkway approach; 3 steel pile, concrete-capped breasting dolphins in line with face on upper side, connected by steel frame, timber catwalks; all fronted by rubber loop fenders.			Three 12-foot-square timber sheet pile, dolphins with solid fill; a 112- by 5-foot, timber pile, steel-decked approach extends to center dolphin.		
DESCRIPTION	Face	Upper side	Lower side	Face	Upper side	Lower side	Dolphins		
Dimensions (Feet)	248	61	61	26	57	57	200		
Depth Alongside at MLW Do.	26	-	26	38	-	-	12		
Usable Berthing Space Do.	248	-	Floating	410 w/dolphs.	-	-	200		
Width of Apron Do.	61		dock.	-			-		
Height of Deck Above MLW Do.	14			9			7		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Lighted.			Unlighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			Vessels discharge into a receiving hopper on platform; served by a 60-inch, electric belt-conveyor transferring rock to a 48-inch, electric belt-conveyor extending to gypsum wallboard plant in rear; rate 1,000 tons per hour.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via plant road, asphalt, from Bleakley Avenue, asphalt, 24 feet wide, from U.S. Highway No. 6, asphalt, 24 feet wide.			Via plant roads from Broadway, asphalt, 24 feet wide.			Via Sixth Street, asphalt, various widths, from Broadway, asphalt, 24 feet wide.		
WATER SUPPLY (Available to Vessels)	Through 1½-inch line in screen house to rear.			Through hose connections.			None.		
ELECTRIC CURRENT (Available to Vessels)	A.C., 440 volts, 3-phase, 60-cycle.			None.			None.		
FIRE PROTECTION (Other than City)	Hydrants, hose, and hand extinguishers.			Hand extinguishers.			None.		
REMARKS	Two 8- and two 6-inch pipelines with 8-inch connections extend from wharf to 2 storage tanks, total capacity 23,670 barrels. Helicopter pad located on lower end of wharf. Nuclear power plant located in rear.			Plant in rear manufactures gypsum wallboard.			Two 6-inch pipelines extend from center dolphins to 6 steel storage tanks at rear, total capacity 38,100 barrels.		

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River

Corps of Engineers Port Code No.	03016			03006					
REFERENCE NUMBER ON MAP NO. 1	106 Dock Code No. 031			107 Dock Code No. 010			108 Dock Code No. 020		
NAME	Sunmark Industries Verplanck Dock.			Mobil Oil Corp. Ossining Terminal Dock.			Maue Oil Co. Dock.		
LOCATION ON WATERFRONT	Verplanck, approximately 1,900 feet above Verplanck Point.			Ossining, approximately 2,700 feet below Tellers Point.			Ossining, approximately 2,900 feet below Tellers Point.		
OWNED BY	Sunmark Industries, Division of Sun Co. of Pennsylvania.			Mobil Oil Corp.			Maue Oil Co.		
OPERATED BY	do.			do.			Not operated.		
PURPOSE FOR WHICH USED	Receipt of petroleum products by barge.			Receipt of petroleum products by barge.			Not used.		
TYPE OF CONSTRUCTION	Timber pile, timber-decked offshore wharf with steel pile, timber-decked approach; one rectangular timber pile, breasting platform on each side in line with face.			Timber pile, timber-decked island wharf with one timber breasting dolphin on each side in line with face.			Timber pile, timber-decked pier extending from timber bulkhead with solid fill; two timber mooring dolphins located in line with lower side of pier.		
DESCRIPTION	Face	Upper side	Lower side	Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	24	13	13	20	6	6	6	55	55
Depth Alongside at MLW Do.	13	-	-	13	-	-	6	0-6	0-6
Usable Berthing Space Do.	150 w/dolphs.	-	-	150 w/dolphs.			-	-	155 w/dolphs.
Width of Apron Do.	-			Open.			Open.		
Height of Deck Above MLW Do.	6			6			6		
Load Capacity per Sq.Ft. (Lbs.)	-			-			-		
Lighted or Unlighted	Lighted.			Unlighted.			Lighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									
MECHANICAL HANDLING FACILITIES	None.			None.			None.		
RAILWAY CONNECTIONS	None.			None.			None.		
HIGHWAY CONNECTIONS	Via Sixth Street, asphalt, various widths, from Broadway, asphalt, 24 feet wide.			Via Quimby Road, part asphalt and part gravel, 30 feet wide, from Westerly Road, asphalt, 24 feet wide.			Via plant road from Westerly Road, asphalt, 20 feet wide.		
WATER SUPPLY (Available to Vessels)	None.			None.			None.		
ELECTRIC CURRENT (Available to Vessels)	None.			None.			None.		
FIRE PROTECTION (Other than City)	Hand extinguishers.			None.			None.		
REMARKS	One 8- and one 6-inch pipelines extend from wharf to 4 storage tanks on Seventh Street, total capacity 30,950 barrels.			Three 6-inch pipelines extend from wharf to 7 steel storage tanks in rear total capacity 3,631,000 barrels.			One blanked 6-inch line extends from pier to one 13,690 barrel storage tank.		

PIERS, WHARVES, AND DOCKS

Left bank, Hudson River

Corps of Engineers Port Code No. 03001

REFERENCE NUMBER ON MAP NO. 1	109 Dock Code No. 021	110 Dock Code No. 031	111 Dock Code No. 061
NAME	Cenera1 Motors Corp. Oil Barge Dock.	Frank's Fuel, Service Wharf.	Westchester Industries Dock.
LOCATION ON WATERFRONT	North Tarrytown, approximately 4,000 feet above Tappan Zee Bridge.	North Tarrytown, approximately 3,800 feet above Tappan Zee Bridge.	Tarrytown, approximately 3,300 feet above Tappan Zee Bridge.
OWNED BY	Westchester Industries.	Frank's Fuel Wholesale, Inc.	Westchester Industries.
OPERATED BY	Cenera1 Motors Corp. General Motors Assembly Division.	Frank's Fuel Service, Inc.	Upper portion: County Asphalt, Inc. Lower portion: Westchester Concrete, Inc.
PURPOSE FOR WHICH USED	Receipt of fuel oil for plant consumption.	Receipt of petroleum products by barge.	Receipt of sand and gravel by barge.
TYPE OF CONSTRUCTION	Timber sheet pile bulkhead with solid fill; row of 4 timber mooring dolphins front bulkhead; elevated catwalk located above bulkhead.	Timber pile, timber-decked offshore wharf; one timber breasting dolphin on each side in line with face.	Part concrete and part timber sheet pile bulkhead with solid fill; fronted by timber fender system.

DESCRIPTION	Dolphins			Face	Upper side	Lower side	Face	Upper side	Lower side
Dimensions (Feet)	200			25	6	6	800	200	100
Depth Alongside at MLW Do.	9			7	-	-	12	-	-
Usable Berthing Space Do.	200			125 w/dolphs.	-	-	800	-	-
Width of Apron Do.	5			-			20 and open.		
Height of Deck Above MLW Do.	10			10			10		
Load Capacity per Sq.Ft. (Lbs.)	-			-					
Lighted or Unlighted	Lighted.			Unlighted.			Unlighted.		
TRANSIT SHEDS	None.			None.			None.		
Number and Type of Construction									
Length and Width (Feet)									
Height Inside Do.									
Floor Area for Cargo (Sq.Ft.)									
Load Capacity per Sq.Ft. (Lbs.)									
Cargo Doors									

MECHANICAL HANDLING FACILITIES	None.	None.	County Asphalt, Inc.: One 60-ton, diesel crawler crane with 80-foot boom unloads into bins at asphalt plant at rear. Westchester Concrete, Inc.: One 60-ton, diesel crawler crane with 72-foot boom unloads onto a 36-inch electric belt conveyor extending to ready-mix concrete plant at rear.
RAILWAY CONNECTIONS	Trackage serving plant in rear connects with Consolidated Rail Corp.	None.	One surface track in rear connects with Consolidated Rail Corp.
HIGHWAY CONNECTIONS	Via plant road, paved, from River Street, asphalt, 24 feet wide.	Via plant roads from River Street, asphalt, 24 feet wide.	Via plant roads from West Main Street, asphalt.
WATER SUPPLY (Available to Vessels)	None.	None.	Through hose connections.
ELECTRIC CURRENT (Available to Vessels)	None.	None.	None.
FIRE PROTECTION (Other than City)	None.	None.	Chemical cart.
REMARKS	One 10-inch pipeline extends from bulkhead to 2 storage tanks, total capacity 38,100 barrels.	One 6-inch pipeline extends from platform to 3 storage tanks, total capacity 22,300 barrels.	

OIL HANDLING AND BUNKERING

Sixty-three oil-handling facilities are located along the Hudson River between the Tappan Zee Bridge and the Mohawk River. Nineteen of them are located in the Port of Albany; 12 on the right bank, and 7 on the left bank of the Hudson River. On the Hudson River above and below the Port of Albany there are forty-four oil-handling facilities; 23 on the right bank, and 16 on the left bank; one on the right bank, and three on the left bank of Rondout Creek; and one on the left bank of Catskill Creek.

The nearest terminal facilities for supplying oceangoing vessels with bunker fuel are located at New York Harbor; this service is usually obtained by vessels either before or after calling at the Port of Albany. One of the oil-handling facilities at the port is equipped with metered pumps and hose for supplying small vessels with diesel fuel.

The tabulation on page 60 gives information on the 60 facilities equipped to handle petroleum products; details of these facilities are given in the table of Piers, Wharves, and Docks under the reference numbers shown on the list. Tank storage at marine service stations is not included.

GRAIN ELEVATORS

A 13,500,000-bushel, grain elevator is located at the rear of Port of Albany Berths 7, 8, and 9 (P.W.D. Ref. No. 19); this elevator is owned by the Albany Port District Commission and operated by Cargill, Inc. Receipts and shipments of waterborne grain are handled over a 1,270-foot section (Berths 7, 8, and 9) of the Albany Port District Commission's 4,070-foot, concrete, bulkhead wharf (Berths 1-10, P.W.D. Ref. Nos. 62-68). A pneumatic, unloading unit for transferring grain from barges to the elevator is located on the apron of the wharf at Berth 8. This unloading unit consists of a steel tower supporting 8 suction hoses, each having a maximum capacity of 8,000 bushels of grain per hour, and a combined, maximum, unloading rate of 45,000 bushels per hour. Two overhead, grain galleries with electric belt conveyors extend from the elevator to 2 vessel-loading units, each consisting of 2 elevated surge tanks with loading spouts. The south unit, no longer in use,

is at Berth 9 and is equipped with 20-inch spouts; the north unit, at Berth 7, has six 12- and two 20-inch spouts. These spouts have maximum and average loading capacities of 45,000 and 30,000 bushels per hour, respectively, per unit. Stevedoring companies furnish electric grain trimmers which are suspended under the loading spouts in the vessels' holds.

Additional equipment at the elevator includes facilities for weighing, cleaning, washing, drying, bleaching, screening, and clipping. Grain is received by rail cars at the rear of the elevator and is unloaded by a car dumper or by power shovels into a car pit. The capacity of the dumper is 10 cars per hour. Cars also can be loaded with grain for rail shipment by a loading spout at the rear of the elevator.

A feed mill and warehouse located north of the grain elevator was not in operation at time of survey. The mill has a storage capacity for 100,000 bushels and is connected with the grain elevator for direct transfer of grain. It is also equipped with power shovels and car pits for receiving grain by rail and a carloading system which can load up to 50 cars per day with bagged feed.

Surface tracks of the Albany Port Railroad Corp., serve the grain- and feed-handling facilities at the elevator and mill. These tracks join the railroad's adjacent holding and transfer yard at rear of the elevator which has a capacity for 120 cars.

OPEN STORAGE

In addition to the long- and short-term, covered storage facilities for waterborne cargo, the Albany Port District Commission has 2 open areas available for storing commodities not requiring protection from the weather; each is served by paved roadways and tracks of the Albany Port Railroad Corp. At the Port of Albany Terminal, approximately 35 acres of open area are in the rear of transit sheds Nos. 2, 3, 4, and 5 (Berths 3-6, P.W.D. Ref. Nos. 64-66). On the opposite side of the river, in Rensselaer, 20 acres of fenced, open area are located in rear of the Port of Albany Lumber Terminal Wharf (P.W.D. Ref. No. 85). This area is used exclusively for the storage of lumber. Three warehouses in the rear of the wharf are leased to private operators for the storage of lumber;

these warehouses have a combined floor area of about 43,000 square feet.

HOISTING EQUIPMENT - ASHORE AND AFLOAT

General cargo at Albany usually is handled to and from vessels by ships' tackle. Crawler and truck cranes with lifting capacities up to 140 tons may be obtained from crane rental services in Albany.

No floating cranes or derricks for making heavy lifts at shipside are based at the port.

MARINE REPAIR PLANTS

Five plants operate waterfront facilities, 4 on the Hudson River and 1 on Rondout Creek, for the construction, repair, or outfitting of tugs, barges, floating drydocks, and other types of small vessels. Three of the facilities operate marine railways with haul-out capacities ranging up to 100 tons.

Boiler and electrical equipment repair companies, welding and machine shops, and other maintenance firms in the Port of Albany perform limited marine repairs at their shops. Some of these concerns also maintain portable equipment for making repairs on board vessels at berth.

The nearest facilities for handling major repairs, drydocking, or hauling out large, deep-draft vessels are at the Port of New York, New York and New Jersey and are described in Port Series No. 5, The Port of New York, New York and New Jersey, revised 1978.

FLOATING EQUIPMENT

The Turecamo Coastal & Harbor Towing Corp., has one towboat based in the Port of Albany at the Lumber Terminal Wharf (Ref. No. 85). The Margaret Turecamo is a diesel-powered towboat with 1800 horsepower, a length of 89.4 feet, a breadth of 26.6 feet, and a loaded draft of 11 feet.

Other floating equipment operating in the Port of Albany and on the Hudson River below the New York State Barge Canal System are based in the Port of New York and in the canals above Albany. Additional information on floating equipment can be obtained from Transportation Series No. 5, titled "Transportation Lines on the Atlantic, Gulf, and Pacific Coasts." This report published annually by the Corps of Engineers, Department of the Army, describes the American flag vessels engaged in the carriage of freight and passengers, listing the net registered tonnage, length, width, draft, horsepower, carrying capacity, and other details of construction; and describes the operations of each vessel operator, listing the waterways used and the localities served. Copies of this publication are for sale by the District Engineer, U.S. Army Engineer District, New Orleans, P. O. Box 60267, New Orleans, LA 70160.

RAIL LINES

The Port of Albany is served by 2 line-haul, rail carriers: the Delaware and Hudson Railroad and the Consolidated Rail Corp. The Albany Port Railroad Corp., a terminal switching line, serves the waterfront facilities and property owned by the Albany Port District Commission and connects with the two line-haul carriers.

The Boston and Maine Corp., serves one waterfront facility (P.W.D. Ref. No. 82) in Troy.

The Consolidated Rail Corp. has trackage along both sides of the Hudson River.

P.W.D. REF. NO.	OPERATOR AND/OR USER	USABLE BERTHING SPACE (FEET)	DEPTH ALONGSIDE MLW (FEET)	STORAGE TANKS NUMBER	STORAGE TANKS CAPACITY (BARRELS)
	Right bank, Hudson River				
8	Rockland Fuel Oil Co., Inc.	150	8	14	58,280
10	Orange and Rockland Utilities, Inc.	280	24	6	870,000(1)
14	Texaco, Inc.	268	35	8	476,190
15	Affron Tank Terminals, Inc.	100	6-15	5	109,520
	Amoco Oil Company	-	-	4	66,670
	Cities Service Company	-	-	7	69,430
16	Exxon Company, USA	100	17	6	128,030
	Sunmark Industries, Division of Sun Co. of Pennsylvania	-	-	4	51,200
17	Mid-Valley Petroleum Corp.	130	21	10	275,000
18	Mobil Oil Corp.	230	32	7	411,000
22	Agway Petroleum Corp.	100	16	4	73,000
23	Amerada Hess Corp.	210	32	10	1,462,000
	Central Hudson Gas & Electric Corp.	-	-	2	35,700(1)
24	Central Hudson Gas & Electric Corp.	325	35	6	1,100,000(1)
25	Shell Oil Company	350	33	10	190,820
26	Power Test Clay Oil Distributors	35	17	11	94,690
	Right bank, Rondout Creek				
27	Kingston Oil Supply Corp.	70	9	10	85,380
	Left bank, Rondout Creek				
32	Kingston Oil Supply Corp.	50	11	4	33,330
33	do.	400	11	2	40,380
34	do.	250	11	4	42,140
	Right bank, Hudson River				
35	R. W. Garraghan Co., Inc.	100	18	5	47,620
36	Austin R. Newcombe & Co., Inc.	250	13	13	89,650
38(2)	Colonial Sand and Stone, Inc.	300	20	1	95,240
	Left bank, Catskill Creek				
45	R. E. Smith Fuel Co., Inc.	100	9	11	69,050
	Right bank, Hudson River				
46	Amos Post, Inc.	250	18	14	52,980
47	Peckham Materials Corp.	130	15	3	33,810(3)
	A. L. Moon, Inc.	-	-	1	23,670
49	Amos Post, Inc.	300	7	11	107,140
52	Sears Oil Company, Inc.	191	31.5	12	2,000,000
53	do.	400	14		
54	Exxon Co., U.S.A.	192	27	20	1,400,000
55	do.	80	20		
57	Texaco, Inc.	230	32	13	838,000
58	Niagara Mohawk Power Corp.	380	33	3	671,660(1)
59	Agway Petroleum, Inc.	260	30	6	334,310
60,61(4)	Cibro Petroleum Products, Inc.	280	28	7	193,140(3)
	do.	210	28	9	55,180
70	Mobil Oil Corp.	200	29	29	1,936,180
71(5)	do.	460	16		
72	do.	100	10-12		
75	J. R. Sousa and Sons, Inc.	60	10.5	13	285,710
76	Tenneco Oil Co., Division of Tenneco, Inc.	48	8	16	199,000
77	King Service, Inc.	(6)	13	4	95,240
	Left bank, Hudson River				
83	King Service, Inc.	148	15	7	190,480
84	Chevron U.S.A., Inc.	148	14	8	106,000(3)
86	Bray Terminals, Inc.	250	23.5	10	381,500
	Getty Refining and Marketing Co.			7	264,330
87,88	Shell Oil Company	100(7)	14(7)	21	638,010
88,89	Gulf Oil Co. U.S.	100(8)	14(8)	19	805,870
89	Atlantic Richfield Company.	295(9)	33(9)	14	630,000
90	Metropolitan Petroleum Co., Inc.	180	12	6	651,000
91	Amerada Hess Corp.	240	30	14	875,000

P.W.D. REF. NO.	OPERATOR AND/OR USER	USABLE BERTHING SPACE (FEET)	DEPTH ALONGSIDE MLW (FEET)	STORAGE TANKS NUMBER	STORAGE TANKS CAPACITY (BARRELS)
	Left bank, Hudson River, continued				
	Sunmark Industries Division of Sun Co. of Pennsylvania.....	-	-	5	170,610
92	Amoco Oil Company.....	180	34	12	401,000
93	Shotmeyer Oil Corp.....	180	10	10	92,850
95	Effron Oil Corp.....	345	13	11	287,000
	P. S. Potter & Sons, Inc.....	-	-	4	30,000
	Amerada Hess Corp.....	-	-	17	220,000
96	J. R. Sousa & Sons, Inc.....	150	40	10	23,810
98	Beacon Gas & Oil Co.....	230	12	4	38,540
99	Garret Storm, Inc.....	220	5	10	57,570
100	Smith Oil Co.....	100	0-9	3	10,710
101	Exxon Co., U.S.A.....	150	14	6	110,000
103	Consolidated Edison Company of New York, Inc.....	247.75	26	2	23,670
105	Peter J. Keefe.....	200	12	6	38,100
106	Sunmark Industries. Division of Sun Co. of Pennsylvania.....	150	13	4	30,950
107	Mobil Oil Corp.....	-	-	-	-
108	Maue Oil Co.....	155	0-6	1	13,690(2)
109	General Motors Corp.....	200	9	2	38,100(1)
110	Frank's Fuel, Inc.....	125	7	3	22,300
	TOTAL	-	-	541	20,351,400

(1) Fuel oil for plant consumption.
(2) Wharf and storage tanks were not being used at time of survey.
(3) Asphalt products.
(4) Crude oil.
(5) Fueling small vessels.
(6) One barge capacity.
(7) P.W.D. Ref. No. 87.
(8) P.W.D. Ref. No. 88.
(9) P.W.D. Ref. No. 89.

STORAGE WAREHOUSES

(For public merchandise only)

WAREHOUSE REF. NO. ON MAP	1		2		3	
OPERATOR AND ADDRESS	Albany Port District Commission, Administration Building, Port of Albany, Albany, NY 12201		Randlett Inc. - The Warehouse P. O. Box 686 Albany, NY 12201		George Terminal Warehouse Inc. 28 Railroad Ave. Albany, NY 12205	
BUILDING DESIGNATION/S	Warehouse A		-		-	
LOCATION	Church Street		Colonie and Montgomery Streets		Railroad Avenue	
KIND OF STORAGE	Dry.		Dry and cold.		Dry and cooler.	
COMMODITIES USUALLY STORED	General merchandise.		General merchandise and perishable food commodities.		General merchandise and perishable food commodities.	
DESCRIPTION Type of Construction	Concrete block with concrete floor.		Reinforced concrete with concrete floors.		Steel frame, concrete block walls, with concrete floor.	
Number of Floors	One.		Eleven.		One.	
Clear Height for Storage (Feet):						
First Floor.....	18		16-10		13	
Other Floors.....	-		10		-	
Load Capacity (Lbs/Sq.Ft.):						
First Floor.....	Unlimited.		1,000		Unlimited.	
Other Floors.....	-		250-450		-	
AREAS FOR PUBLIC STORAGE:	ORY STORAGE	COLO STORAGE	ORY STORAGE	COLD STORAGE	ORY STORAGE	COLD STORAGE
General Storage.....(Sq.Ft.)	108,000		182,000		30,000	
U.S. Customs Bonded.(Sq.Ft.)			Available			
Cooler Space.....(Cu.Ft.)				1,227,000		66,000
Freezer Space.....(Cu.Ft.)				1,552,500		
Convertible Space...(Cu.Ft.)						
RAILWAY CONNECTIONS	Albany Port Corp. Railroad one platform-level track along north side of warehouse; connects with Consolidated Rail Corp. and the Delaware and Hudson Railroads.		Consolidated Rail Corp 2 platform-level tracks inside second floor of warehouse, capacity 22 cars; 12 car siding connects to Consolidated Rail Corp.		Consolidated Rail Corp 5 surface-level loading stations.	
TRUCKLOADING STATIONS	Access to interior through south doors.		30 platform.		8 platform.	
HANDLING EQUIPMENT			Eight 3- and one 5-ton electric freight elevators.		Three 1½- , one 1- , and one 1 1/2-ton LP-gas fork lift trucks.	
FIRE PROTECTION	Automatic sprinkler and detection service, hydrants, hose, and watchmen.		Sprinkler system, hydrants, hose, hand extinguishers, and watchmen.		Automatic detection and sprinkler system.	
REMARKS	Divided into 10 sections by concrete firewalls.		8rine cooling system; temperature range -9° to 36° F.		Freon cooling system; temperature maintained at 50° F.	

WAREHOUSE REF. NO. ON MAP	4		5			
OPERATOR AND ADDRESS	Sperry Warehouses, Inc. 1 Monroe Street Troy, NY 12181		Distribution Unlimited, Inc. P. O. Box 98 Guilderland Center, NY 12085			
BUILDING DESIGNATION/S	-		-			
LOCATION	Monroe Street.		-			
KIND OF STORAGE	Dry.		Dry.			
COMMODITIES USUALLY STORED	General merchandise.		General merchandise.			
DESCRIPTION Type of Construction	Steel frame, brick walls.		Concrete walls and floor.			
Number of Floors	One.		One.			
Clear Height for Storage (Feet):						
First Floor.....	24		14-26			
Other Floors.....	-		-			
Load Capacity (Lbs/Sq.Ft.):						
First Floor.....	Unlimited.		250			
Other Floors.....	-		-			
AREAS FOR PUBLIC STORAGE:	DRY STORAGE	COLD STORAGE	ORY STORAGE	COLO STORAGE	ORY STORAGE	COLO STORAGE
General Storage.....(Sq.Ft.)	500,000		3,000,000			
U.S. Customs Bonded.(Sq.Ft.)						
Cooler Space.....(Cu.Ft.)						
Freezer Space.....(Cu.Ft.)						
Convertible Space...(Cu.Ft.)						
RAILWAY CONNECTIONS	Consolidated Rail Corp., and Delaware and Hudson Railroads; 7 platform-level loading stations.		Consolidated Rail Corp; Delaware and Hudson Railroads; 1856 feet of continuous platform-level track.			
TRUCKLOADING STATIONS	3 door.		20 door.			
HANDLING EQUIPMENT	Fourteen 15-ton fork lift trucks, one 40-ton crane.		66 LP-gas fork lift trucks.			
FIRE PROTECTION	-		Sprinklered, private fire trucks and local fire departments.			
REMARKS	-					

MARINE REPAIR PLANTS

REF. NO. OF NEAREST PIER OR WHARF	1	2
OPERATOR AND ADORESS	Powell Boatyard, Inc. 93 Piermont Avenue Nyack, NY 10960	Julius Petersen, Inc. 1 Van Houten Street Upper Nyack, NY 10960
LOCATION OF PLANT	Right bank, Hudson River, approximately 5,600 feet above Tappan Zee Bridge.	Right bank, Hudson River, approximately 2.0 miles above Tappan Zee Bridge.
REPAIR SHOPS AND EQUIPMENT	Woodworking and painting shops; one 20-ton marine railway.	Machine, woodworking, painting, electrical, and plumbing shops; welding units; 100-ton marine railway; one 50-ton, rubber-tired, mobile boat lift; and a 20-ton, A-frame, stiff-leg derrick with 70-foot boom.
NATURE OF WORK UNOERTAKEN	Repairs and painting for small vessels; engine repairs; minor fiber glass repairs; and complete restoration of wooden boats.	Above- and below-waterline repairs to steel and wooden hulls; outfitting and general repairs to small vessels.
LARGEST SHAFTS PRODUCED	None.	None.
LARGEST CASTINGS PRODUCED	None.	None.
VESSEL CAPACITY AT PLANT	One on marine railway. (See Remarks.)	One on marine railway, others at wharf.
REMARKS	Two buildings in rear have total capacity for 8 boats.	

REF. NO. OF NEAREST PIER OR WHARF	19	28
OPERATOR AND ADORESS	Steel Style, Inc. 401 South Water Street Newburgh, NY 12550	Nicholas Hollingsworth First and Center Streets Kingston, NY 12417
LOCATION OF PLANT	Right bank, Hudson River, approximately 2.2 miles below Newburgh-Beacon Bridge.	Right bank, Rondout Creek, approximately 0.5 mile above U.S. Highway No. 9W bridge.
REPAIR SHOPS AND EQUIPMENT	Steel fabrication, plate, electrical, mechanical, paint, and propeller shops; welding units; two launchways; one 100-ton, diesel, crawler crane with 200-foot boom; two 10-ton, tower cranes with 70-foot booms.	Machine, wood, and paint shops; welding units; one 25-ton, mobile marine lift; one 100-ton marine railway.
NATURE OF WORK UNDERTAKEN	Above-waterline repairs of any nature and vessel construction.	Above- and below-waterline repairs to wood hulled vessels; engine and fiber glass repairs.
LARGEST SHAFTS PROOUCEO	None.	None.
LARGEST CASTINGS PROOUCED	None.	None.
VESSEL CAPACITY AT PLANT	One vessel on each launchway and others at pier.	One on marine railway. (See Remarks.)
REMARKS	-	Open storage space in yard can be used for repairs; building above marine railway used for storage and repairs. Repair plant was for sale at time of survey.

REF. NO. OF NEAREST PIER OR WHARF	80	
OPERATOR ANO ADDRESS	Matton Shipyard Co., Inc., Subsidiary of Turecamo Coastal & Harbor Towing Corp., Oelaware Avenue, Cohoes, NY 12047	
LOCATION OF PLANT	Right bank, Hudson River, approximately 0.5 mile above Troy-Cohoes Bridge.	
REPAIR SHOPS AND EQUIPMENT	Pipe, machine, carpenter, fabrication, electrical, and sheet metal shops; painting and sandblasting equipment; one launchway; one 13-ton, diesel, crawler crane with 90-foot boom; and one 7-ton, mobile, diesel crane.	
NATURE OF WORK UNDERTAKEN	Complete above-waterline repair capability at this yard; below-waterline repairs at the New York State drydock in Waterford, NY.	
LARGEST SHAFTS PRODUCED	12-inch diameter by 15-foot bed.	
LARGEST CASTINGS PROOUCED	By subcontract.	
VESSEL CAPACITY AT PLANT	Two at dockside, one at drydock, others on launchway.	
REMARKS	Plant can construct vessels up to 200 feet in length.	

MARINE RAILWAYS

REF. NO. OF NEAREST PIER OR WHARF	1	2	28
OWNED BY	Powell Boatyard, Inc.	Julius Petersen, Inc.	Chester National Bank.
OPERATED BY	do.	do.	Nicholas Hollingsworth.
ADDRESS	93 Piermont Avenue Nyack, New York 10960	1 Van Houten Street Upper Nyack, New York 10960	First and Center Streets Kingston, New York 12417
LOCATION ON WATERFRONT	Right bank, Hudson River, approximately 5,600 feet above Tappan Zee Bridge.	Right bank, Hudson River, approximately 2.0 miles above Tappan Zee Bridge.	Right bank, Rondout Creek, approximately 0.5 mile above U.S. Highway 9W Bridge.
TYPE	Marine railway.	Crandall.	Marine railway.
DIMENSIONS (FEET):			
Length of cradle	25	50	75
Length on blocks	40	-	50
Clear width of cradle at top of keel blocks	12	23	25
Depth over keel blocks at MHW			
Forward	4	8	2
Aft	4	8	2
HAULING POWER (TONS)	20	100	100
MEAN RISE AND FALL OF TIDE (FEET)	3.5	3.5	3.7
CRANE SERVICE	None.	None.	None.
UTILITIES AVAILABLE	A.C., 110 volts, single-phase, 60-cycle.	A.C., 220 volts, 3-phase, 60-cycle; water line; compressed air.	A.C., 220 volts, 3-phase, 60-cycle; one-inch water line.
LARGEST VESSEL HANDLED (FEET)	40 feet long.	70 feet long.	75 feet long.
DATE BUILT AND/OR REBUILT	1944/1970.	1943.	1958.
REMARKS			

REF. NO. OF NEAREST PIER OR WHARF			
OWNED BY			
OPERATED BY			
ADDRESS			
LOCATION ON WATERFRONT			
TYPE			
DIMENSIONS (FEET):			
Length of cradle			
Length on blocks			
Clear width of cradle at top of keel blocks			
Depth over keel blocks at MHW			
Forward			
Aft			
HAULING POWER (TONS)			
MEAN RISE AND FALL OF TIDE (FEET)			
CRANE SERVICE			
UTILITIES AVAILABLE			
LARGEST VESSEL HANDLED (FEET)			
DATE BUILT AND/OR REBUILT			
REMARKS			

INDEX OF PIERS, WHARVES, AND DOCKS

NAME OF OPERATOR AND FACILITY	MAP NO.	P.W.D. REF. NO.	PAGE NO.
Affron Tank Terminals, Inc.			
*Dock	1	15	23
Agway Petroleum Corp.			
Dock	1	22	26
Wharf	2	59	38
Albany, City of			
Wharf	2	74	43
Albany Port District Commission			
Port of Albany			
Berth No. 1	2	68	41
Berth No. 2	2	67	41
*Berth No. 3	2	66	40
Berth No. 4	2	65	40
*Berths Nos. 5 and 6	2	64	40
*Berths Nos. 7, 8, and 9	2	63	39
Berth No. 10	2	62	39
Lumber Terminal Wharf	2	85	47
*Small Boat Mooring Wharf	2	69	41
Alpha Portland Cement Industries			
*Dock	2	42	32
Amerada Hess Corp.			
Roseton Dock	1	23	26
*Spoor-Lasher Dock	1	95	50
Wharf	2	91	49
Amoco Oil Company			
*Affron Tank Terminals Dock	1	15	23
Dock	2	92	49
Ashland Oil Co.			
*Port of Albany Lumber Terminal Wharf	2	85	47
Atlantic Cement Co., Inc., a subsidiary of Newmont Mining Co.			
Loading Dock	2	51	35
Atlantic Richfield Co.			
*Rensselaer Wharf	2	89	48
Beacon Gas & Oil Co.			
Dock	1	98	51
Blum, Paul Co., Inc.			
*Alpha Portland Cement Dock	2	42	32
Bray Terminals, Inc.			
*Wharf	2	86	47
Callanan Industries, Inc.			
Port Ewen Plant Dock	1	29	28
Central Hudson Gas & Electric Corp.			
Roseton Generating Station Dock	1	24	26
Chevron U.S.A., Inc.			
Troy Terminal Dock	2	84	46
Cibro Petroleum Products, Inc.			
Barge Dock	2	61	39
Ship Dock	2	60	38
Cities Service Company			
*Affron Tank Terminals Dock	1	15	23
Clay's Oil Terminal, Inc.			
Power Test Dock	1	26	27
Clemente-Latham Concrete Corp.			
Dock	2	82	46
Colonial Oil			
**Dock	2	38	31

*Various operators.
**Not operated.

INDEX OF PIERS, WHARVES, AND DOCKS, continued

NAME OF OPERATOR AND FACILITY	MAP NO.	P.W.D. REF. NO.	PAGE NO.
Colonial Sand and Gravel Co., Inc.			
Colonial Stone Dock	2	40	32
Consolidated Edison Co. of New York, Inc.			
Indian Point Station Dock	1	103	53
County Asphalt, Inc.			
*Westchester Industries Dock	1	111	55
Dutton, A. C.			
**Dock	1	94	50
Effron Oil Corp.			
*Spoor-Lasher Dock	1	95	50
Exxon Co., U.S.A.			
Bulk Plant No. 3051 Dock	1	101	22
North Dock	2	55	37
South Dock	2	54	36
Sunmark Industries Dock	1	16	24
Frank's Fuel Service, Inc.			
Service Wharf	1	110	55
Garraghan, R. W. Co., Inc.			
Garraghan Kingston Terminal Dock	2	35	30
General Motors Corp., General Motors Assembly Division			
Oil Barge Dock	1	109	55
Georgia Pacific Corp., Gypsum Division			
Unloading Dock	1	104	53
Getty Refining and Marketing Company			
*Bray Terminals Wharf	2	86	47
Gulf Oil Co.-U.S.			
*Atlantic Richfield Co., Rensselaer Wharf	2	89	48
*Shell Oil Co., Rensselaer Terminal South Dock	2	88	48
Hollingsworth, Nicholas			
Connelly Marine Slipway	1	28	28
Hudson River Aggregates, Inc.			
Dock No. 1	1	4	20
Dock No. 2	1	6	20
Dock No. 3	1	7	21
Light Barge Mooring Dock	1	5	20
Loaded Barge Mooring Pier	1	3	19
Tompkins Cove Landing Dock	1	12	22
Independent Cement Corp.			
Dock	2	39	31
Island Dock Lumber, Inc.			
Dock	1	31	29
Jova Manufacturing Corp.			
Dock	2	37	31
Keahon Brothers, Inc.			
Dock	1	9	21
Keefe, Peter J.			
Dock	1	105	53
King Service, Inc.			
Green Island Plant Dock	2	77	44
South Troy Plant Dock	2	83	46
Kingston Oil Supply Corp.			
Ballard Plant Dock	1	34	30
Exxon Plant Dock	1	32	29
Port Ewen Dock	1	27	27
Terminal Dock	1	33	29

*Various operators.
**Not operated.

INDEX OF PIERS, WHARVES, AND DOCKS, continued

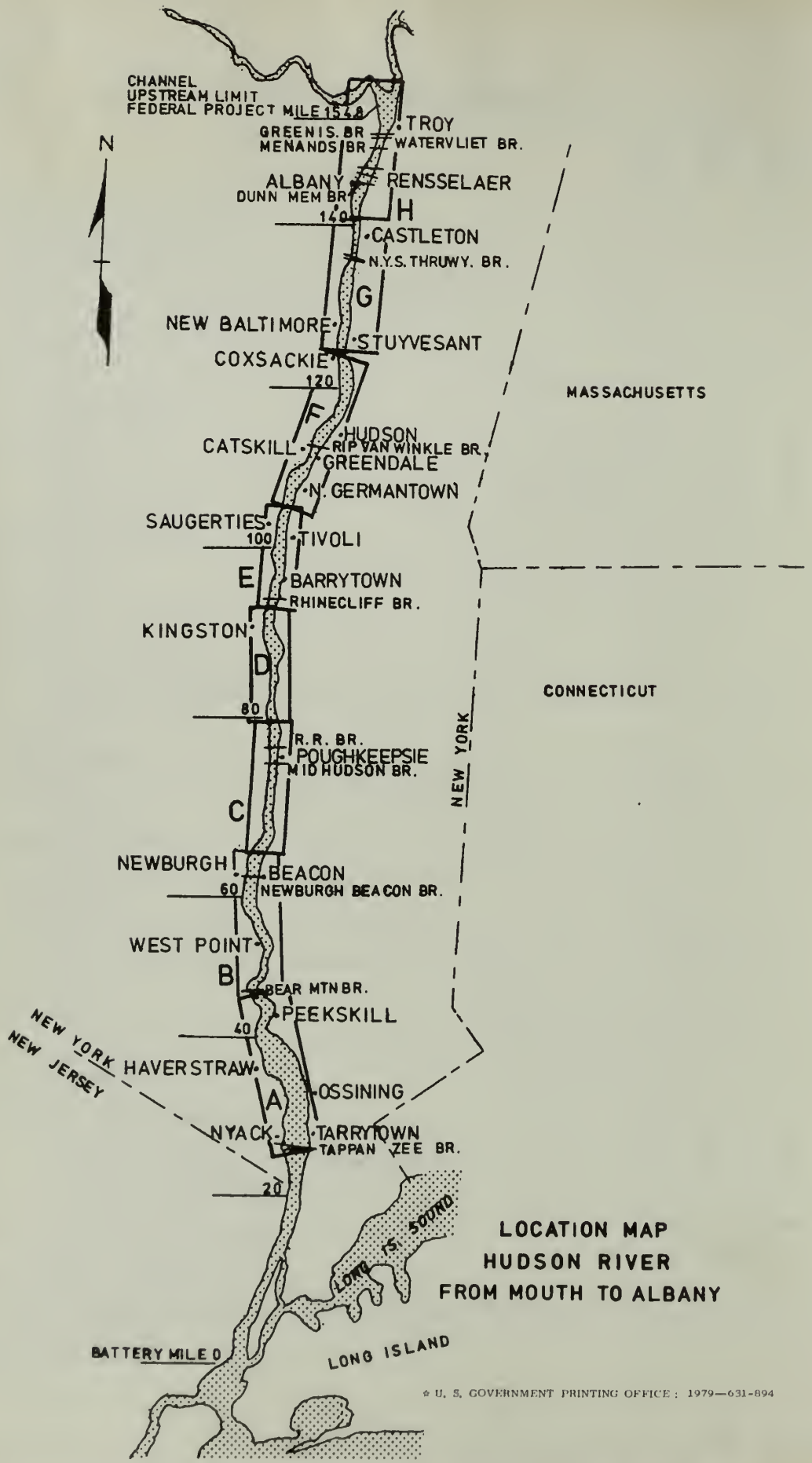
NAME OF OPERATOR AND FACILITY	MAP NO.	P.W.D. REF. NO.	PAGE NO.
Kingston Recycling, Inc.			
Depot Dock	1	30	28
Lehigh Portland Cement Co., subsidiary of Heidelberger Portland Zement Werk A.G. Dock	2	43	33
Marquette Cement Manufacturing Co.			
Barge Loading Dock	2	44	33
Matton Shipyard Co., Inc., subsidiary of Turecamo Coastal & Harbor Towing Corp. Dock	2	80	45
Maue Oil Co.			
**Dock	1	108	54
Metropolitan Petroleum Co., Inc.			
Barge Wharf	2	90	48
Mid-Valley Petroleum Corp.			
Dock	1	17	24
Mobil Oil Corp.			
Asphalt Plant Wharf	2	72	42
Dock	1	18	24
Lower Barge Dock	2	71	42
Marine Lift Dock	2	73	43
Ossining Terminal Dock	1	107	54
Ship Dock	2	70	42
Moon, A. L., Inc.			
*Peckham Dock	2	47	34
National Molasses Co.			
*Port of Albany, Berths Nos. 7, 8, and 9	2	63	39
Nervene Inc.			
Ashton Fuel Dock	2	78	44
Newburgh, City of			
Newburgh Landing	1	21	25
Newcombe, Austin R. & Co., Inc.			
Dock	2	36	30
New York Trap Rock Corp., subsidiary of Lone Star Industries, Inc.			
Clinton Point Plant Dock	1	97	51
Niagara Mohawk Power Corp.			
Albany Steamplant Dock	2	58	38
Norlite Corp.			
Barge Wharf	2	79	45
Orange and Rockland Utilities, Inc.			
Bowline Point Generating Station			
Fuel Oil Unloading Pier	1	10	22
Lovett Plant Fuel Dock	1	13	23
Pacific Molasses Co.			
*Port of Albany, Berths Nos. 5 and 6	2	64	40
Parrott's, William Sons, Inc.			
Dock	1	20	25
Peckham Materials Corp.			
*Dock	2	47	34
Petersen, Julius, Inc.			
Dock	1	2	19
Phelps, Raymond E.			
Terminal	2	48	34
Post, Amos, Inc.			
Athens Terminal Dock	2	49	35
Catskill Terminal Dock	2	46	34

*Various operators.
**Not operated.

INDEX OF PIERS, WHARVES, AND DOCKS, continued

NAME OF OPERATOR AND FACILITY	MAP NO.	P.W.D. REF NO.	PAGE NO.
Potter, P.S. & Sons, Inc.			
*Spoor-Lasher Dock	1	95	50
Powell Boatyard			
**Pier	1	1	19
Powell & Minnock Brick Works, Inc., subsidiary of General Dynamics Corp.			
Dock	2	50	35
Rockland Fuel Oil Co., Inc.			
Dock	1	8	21
Sears Oil Company, Inc.			
Barge Wharf	2	53	36
Tanker Wharf	2	52	36
Shell Oil Co.			
Dock	1	25	27
North Dock	2	87	47
*Rensselaer Terminal	2	88	48
Shotmeyer Oil Corp.			
Dock	2	93	49
Smith Oil Co.			
Dock	1	100	52
Smith, R. E. Fuel Co., Inc.			
Dock	2	45	33
Sousa, J. R. and Sons, Inc.			
Green Island Dock	2	75	43
Poughkeepsie Terminal Dock	1	96	50
Spoor-Lasher Co., Inc.			
*Dock	1	95	50
Standard Brands			
**Dock	1	102	52
Steel Style, Inc.			
Pier No. 2	1	19	25
Storm, Garret Inc.			
Dock	1	99	51
Sunmark Industries, Division of Sun Co. of Pennsylvania			
*Amerada Hess Corp. Wharf	2	91	49
Verplanck Dock	1	106	54
Tenneco Oil Co., Division of Tenneco, Inc.			
Dock	2	76	44
Texaco, Inc.			
Ballast Dock	2	56	37
Dock	1	14	23
North Wharf	2	57	37
United Brands Co.			
*Port of Albany, Berth No. 3	2	66	40
United States Government			
U.S. Coast Guard	2	69	41
Port of Albany Small Boat Mooring Wharf	2	69	41
Saugerties Station Dock	2	41	32
U.S. Corps of Engineers			
Wharf	2	81	45
United States Gypsum Company			
Dock	1	11	22
Westchester Concrete, Inc.			
*Westchester Industries Dock	1	111	55

*Various operators.
**Not operated.



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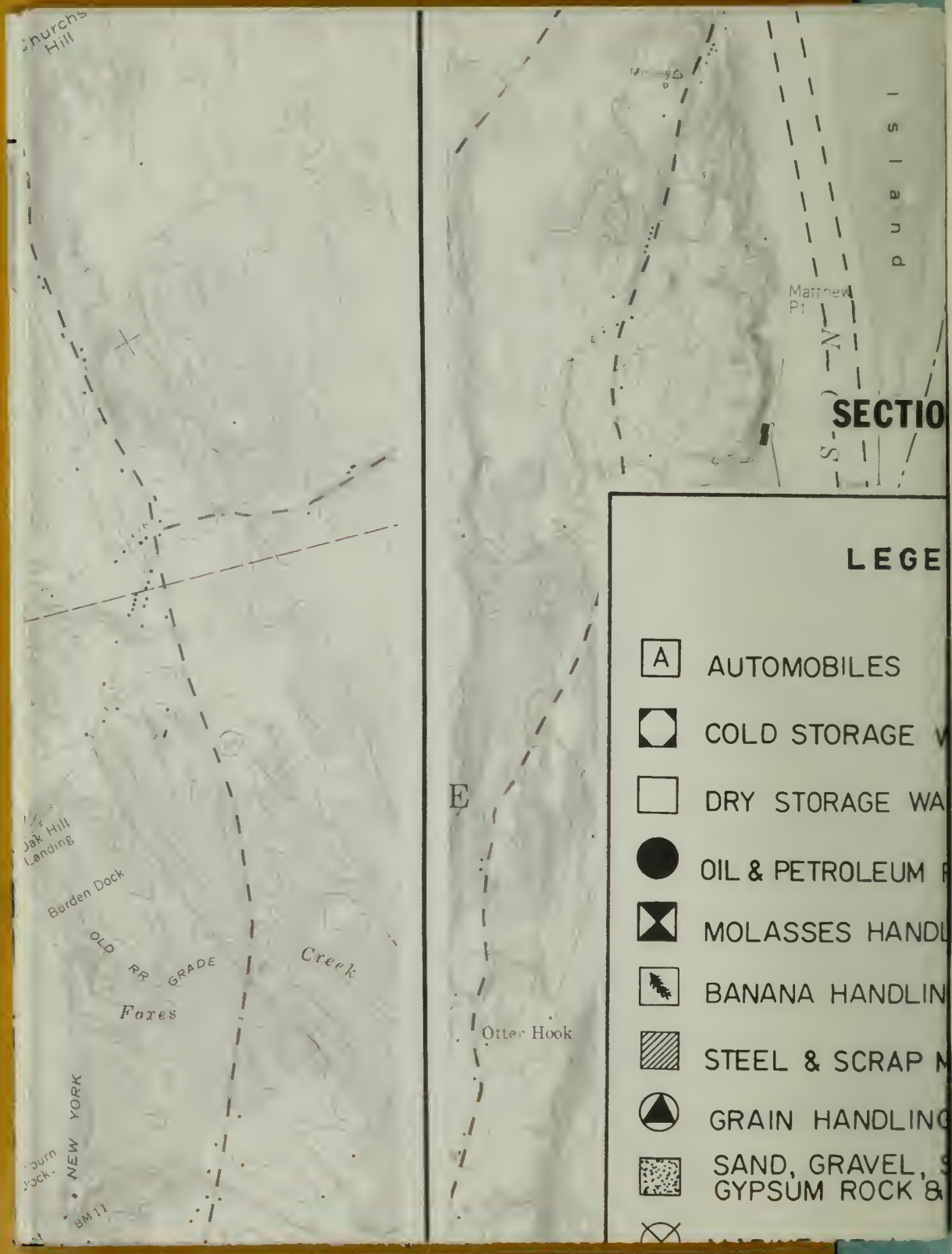
Churchs Hill
Island
Matthews Pt
SECTIO
LEGE
AUTOMOBILES
COLD STORAGE
DRY STORAGE WA
OIL & PETROLEUM
MOLASSES HANDL
BANANA HANDLIN
STEEL & SCRAP
GRAIN HANDLING
SAND, GRAVEL,
GYPSUM ROCK &
Jak Hill Landing
Burden Dock
OLD RR GRADE
Foxes
Creek
Otter Hook
NEW YORK
BM 11

SECTION A

SECTION B

SECTION C

SECTION D

LEGEND

- OIL & PETROLEUM PRODUCTS
- SAND, GRAVEL, STONE, CEMENT, GYPSUM ROCK & BRICK
- MARINE REPAIR PLANTS
- STEEL & SCRAP METAL

PORT FACILITIES AT ALBANY AND PORTS ON HUDSON RIVER, N Y

U.S. ARMY CORPS OF ENGINEERS
BOARD OF ENGINEERS FOR RIVERS AND HARBORS
FT. BELVOIR, VA 22060

SCALE IN MILES

SCALE IN FEET

SUBMITTED: John W Vetter
CHIEF, PORT FACILITIES DIVISION

FIELD DATA AUGUST 1978

APPROVAL RECOMMENDED: John McCann
TECHNICAL DIRECTOR

APPROVED: Albert G. Costanzo
COLONEL, CORPS OF ENGINEERS, U.S.A.

DATA BY M. J. S.

DRAWN BY W.E.McC.

MAP NO. I

Pells Pond
CENTRAL
Third Order Villa
Beverly B M Dock
Sewage Disposal
High Sch.
4 TRACKS
CENTRAL
ORANGE CO
PUTNAM CO
Highland Falls
Rec Pd
Highland Falls
Ladycliff College
Water
REDOUBT
Dasco Pond
Lusk Res
Radio Tower
Delafield Pond
Holy Trinity Chapel
Gymnasium
West Point
ADELAY
TRAIL
Sewage Disposal
HUDSON
Archville
OLD
PENN CENTRAL
RIVER
Kemeys Cove
ROAD
Sparta
Sewage Disposal
4 TRACKS
TAPPAN
Water tanks
Park
SING SING PRISON
OSSINING
108

SECTION E

SECTION F

SECTION G

SECTION H

LEGEND

- A — AUTOMOBILES
- COLD STORAGE WAREHOUSES
- DRY STORAGE WAREHOUSES
- OIL & PETROLEUM PRODUCTS
- MOLASSES HANDLING
- BANANA HANDLING
- STEEL & SCRAP METAL
- GRAIN HANDLING
- SAND, GRAVEL, STONE, CEMENT, BRICK, GYPSUM ROCK & SHELL HANDLING
- MARINE REPAIR PLANTS
- LUMBER
- GENERAL CARGO

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1000 0 1000 2000 3000 4000 5000

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MAP NO. 2

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